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ABSTRACT

A study examined state-administered vocational education program improvement projects funded in fiscal year 1983 under Subpart 3, Sections 131 (research), 132 (exemplary and innovative), and 133 (curriculum development) of the Education Amendments of 1976. Based on an evaluation of 573 projects, the researchers concluded that more funds are being allocated for supportive services than for program improvement. The fiscal 1983 percentage of funds allocated for research, exemplary and innovative, and curriculum development projects increased over 1982. Collectively, the states are obligating nearly twice as many funds to curriculum development as they are to the research, exemplary, and innovative activities. While the amount obligated for each project varies considerably, state improvement projects are being conducted by educational agencies and institutions at every level and are being focused on every educational level. The greatest number of projects have focused directly on improvement of instruction. It was also determined that teachers and coordinators are the primary users of nearly two-thirds of the products and services yielded by the projects. (Part 2 of this report is a compilation of resumes and a subject index for program improvement projects conducted through the state research coordinating units from July 1, 1982 to June 30, 1983.) (MN)

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SUMMARY OF STATE-ADMINISTERED PROGRAM IMPROVEMENT PROJECTS IN FY 1983

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FOREWORD

Provisions were made in the Education Amendments of 1976 (P.L. 94-482) for state-administered program improvement projects. During the 1983 fiscal year, 573 research, innovative and exemplary, and curriculum development projects were conducted under this legislative provision. Information about these projects is reported with respect to location, funding levels, funding recipients, target population, educational levels, outcomes, and priorities addressed. This summary report, supplemented by specific searches of the vocational education program improvement (RIVE) database, will be helpful to legislators, federal program administrators, and state agency personnel by providing answers to questions such as the following:

- How many projects were conducted and how much money was obligated?
- How do states compare in the numbers and kinds of projects conducted and the amount of funds obligated?
- Are projects addressing critical problems and issues?
- What is the relative emphasis on target audiences and problem areas?
- What kinds of agencies and organizations are conducting the vocational education R&D?

We are pleased to disseminate this summary of state program improvement projects so that it may be used for program planning and policy development.

We wish to thank the staff members of the state research coordinating units for their cooperation in submitting project descriptions.

The summary was prepared in the Information Systems Division of the National Center under the direction of Joel H. Magisos. Wesley E. Budke, Director of the National Center Clearinghouse, coordinated the preparation of this summary. Dr. Budke holds a Ph.D. in agricultural education from The Ohio State University and has been involved in vocational education information systems development and educational product dissemination work at the National Center since 1970. Special recognition is given to project staff members Carl Oldsen, Judith Wagner, Laurian Miguel, and Catherine Smith for their help in retrieving and preparing the data.

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Robert E. Taylor
Executive Director
The National Center for Research
in Vocational Education

EXECUTIVE SUMMARY

This is a summary report of state-administered vocational education program improvement projects funded in FY 1983 under Subpart 3, Sections 131 (research), 132 (exemplary and innovative), and 133 (curriculum development) of the Educational Amendments of 1976 (P.L. 94-482). Part I of the report provides summary data about the projects conducted in the states and their focus. Information is provided about where the projects were conducted, by whom, for what purpose, and with what results. Five hundred and seventy-three (573) projects funded for $18,902,365 are summarized. Part II of the report is a compilation of resumes (abstracts with fiscal and bibliographic information) of each project and a subject index based upon ERIC descriptors.

The following are conclusions about the state program improvement activities drawn from the data reported.

- More funds are being obligated for support services than for program improvement. State program improvement projects funded under Sections 131, 132, and 133 represent $18,902,365 or 20.8 percent of the total amount allocated to the states for program improvement and support services. It is surmised that the remaining 79.2 percent is being obligated for the support services specified in Sections 134, 135, and 136, and possibly for the administration of the state research coordinating units when this is not reported as a project. States vary in the proportion of funds that they devoted to program improvement.

- The FY 1983 percentage of funds allocated for research, exemplary and innovative, and curriculum development projects has increased over FY 1982. Although the total federal allocation for Subpart 3 decreased by $3.7 million, the state allocations to Sections 131, 132, and 133 increased over $1.4 million.

- Collectively, the states are obligating nearly twice as many funds to curriculum development as they are to the research and exemplary and innovative activities. Individual states, however, vary considerably in this respect; some choose to fund no projects in certain categories.

- The amount obligated for each project varies considerably. There is a wide range in project size within and among states. The average funding per project is $32,488. The actual range is from $2,164 to $229,000.

- State program improvement projects are being conducted by educational agencies and institutions at every level. Only 15 percent of the state program improvement funds go to projects conducted by noneducational agencies. The largest share of the work is being conducted by four-year

colleges and universities (43 percent) and local educational agencies (26.7 percent).

- Teachers and coordinators are the primary users for nearly two-thirds of the products and services yielded by the projects. An additional 18 percent of the projects were directed toward local and state administrators and supervisors.

- State program improvement projects have focused on every educational level. Over 54.2 percent of the state program improvement obligations have been at postsecondary, and combined high school and postsecondary levels.

- The greatest number of projects have focused directly on improvement of instruction (i.e., curriculum and instruction projects, 215; training programs and inservice education, 99; evaluation, assessment, and followup, 40).

INTRODUCTION

The Vocational Education Act of 1963 (P.L. 88-210) was the landmark legislation for vocational education program improvement because it contained broad provisions for research and training, as well as experimental and demonstration or pilot programs. Funding authorized under the legislation was appropriated by Congress and allocated by the Commissioner of Education for institutional capacity building and for such priorities as program evaluation, resource development, vocational guidance and career choice, organization and administration, and new careers. The subsequent Vocational Education Act of 1968 (P.L. 90-576) authorized support of grants for research, training, exemplary programs, and curriculum development. A part of the research and exemplary programs was to be administered at the state level.

The Education Amendments of 1976 (P.L. 94-482) responded to many of the concerns raised by the Committee for Vocational Education Research and Development (COVERD) about vocational education research and development. These amendments provided for Programs of National Significance to be administered at the federal level and for Program Improvement and Support Services to be administered at the state level. The act also encouraged consolidation of programs, more responsible management, and specific accountability. The Rules and Regulations for the act required that state research coordinating units submit to the National Center for Research in Vocational Education resumes of program improvement projects under Section 131 (research), 132 (exemplary and innovative) and Section 133 (curriculum development) when contracted, and reports and products resulting from each project within ninety days of its completion. The National Center, through its National Center Clearinghouse, maintains a computerized database (RIVE) of state program improvement project descriptions, available through Bibliographic Retrieval Services, Latham, NY. The National Center Clearinghouse also maintains the information in its files for review and analysis.

Project Categories

Projects included in this report were funded during FY 1983 under Sections 131, 132 and 133 of the Education Amendments of 1976. Projects were intended to emphasize improvement of planning in using resources available for vocational education and manpower training; extending, improving, and, where necessary, maintaining existing programs; developing new programs; overcoming sex discrimination and sex stereotyping; and providing part-time employment for needy youths. The three legislative sections are described below.

Section 131: Research

Funds may be used to support state research coordinating units and for contracts for program improvement involving (1) applied research and development projects; (2) experimental, developmental, and pilot programs designed to test the effectiveness of research findings, including programs to overcome problems of sex bias and sex stereotyping; (3) improved curriculum materials for current programs and new materials for new and emerging job fields; (4) development of new careers and occupations in fields such as mental and physical health, crime prevention and correction, welfare, education, municipal services, child care, and recreation; (5) training and development projects designed to demonstrate improved methods of obtaining the cooperation of both public and private sectors to coordinate better and implement programs for employing persons in the fields described above; (6) evaluating programs relating to training and using public service aides; and (7) disseminating contract results locally. Contracts must result in improved teaching techniques or curriculum materials that will be used in a substantial number of classrooms or other learning situations within five years after contract termination.

Section 132: Exemplary and Innovative

Funds may be used for contracts for the support of exemplary and innovative programs, including (1) developing high quality vocational education programs for urban centers with high concentrations of economically disadvantaged, unskilled workers, and unemployed individuals; (2) developing training opportunities for persons in sparsely populated rural areas and individuals migrating from farms to urban areas; (3) providing effective vocational education for individuals with limited-English-speaking ability; (4) establishing cooperative arrangements between public education and employment and training agencies designed to correlate vocational education opportunities with current and projected labor market needs; (5) broadening occupational aspirations and opportunities for youth (with special emphasis given to youth who have academic, socioeconomic, or other handicaps), including programs and projects designed to familiarize elementary and secondary students with a broad range of occupations for which special skills are required and the requisites for careers in such occupations; and (6) facilitating participation of employers and labor organizations in postsecondary education.

Other provisions of Section 132 give priority to programs designed to reduce sex stereotyping in vocational education and provide for participation of students enrolled in nonprofit private schools. Annual program plans and accountability reports covering the final year of financial support by the state for these programs must indicate what will happen to the programs after federal support is discontinued, and how promising programs will be continued and expanded within the state.

Section 133: Curriculum Development

Funds may be used for contracts for the support of curriculum development projects, including developing and disseminating vocational education curriculum materials for new and changing occupational fields and for individuals with special needs. Funds may be used also for contracts for developing guidance, curriculum, and testing materials and for support services designed to overcome sex bias, and to enable teachers to meet the needs of individuals enrolled in vocational education programs traditionally limited to members of the opposite sex. Contracts must result in improved teaching techniques or curriculum materials that will be used in a substantial number of classrooms or other learning situations within five years after contract termination.

Organization of the Report

Part 1 of this report is the fifth summary of the database. The first reported on FY 1978 and 1979 projects and is available through the ERIC system as ED 194 768. The second summary reported on FY 1980 projects and is available from ERIC as ED 198 263. The third summary, covering FY 1981 projects, is available from ERIC as ED 215 147. The fourth report is a five-year summary for FY 1978 - 1982 and is available from ERIC as ED 227 311. These reports provide summary data about projects conducted in the states and their foci. They provide information about where projects were conducted, by whom, for what purpose, and with what results. This report does not deal with qualitative and programmatic dimensions of state program improvement projects, nor with impact. These dimensions need further investigation that can be facilitated by the database. The work by Hull (1983) has made extensive use of this database in examining product distribution, use, and impact in vocational education.

Part 2 of the report is a compilation of resumes and a subject index for program improvement projects conducted through the state research coordinating units from July 1, 1982 to June 30, 1983 (fiscal year 1983). The federal funds spent during this period were specifically charged to FY 1983 or they may have been carried forward from the previous fiscal year.

PART I

A SUMMARY OF STATE-ADMINISTERED PROJECTS IN FY 1983

Methodology

The database of state-administered program improvement projects is managed by the National Center Clearinghouse staff. They review and analyze project resumes provided by state research coordinating units to identify, clarify, and compile project data. This requires the following operational sequence:

1. Clearinghouse staff review each resume for complete bibliographic and funding information. Missing information is requested from the state.
2. They compile a list of projects received from each state and request verification from the state research coordinating unit director.
3. They edit and index project abstracts according to ERIC format.
4. They code and process key variables for the computer file (i.e., organization type, target population, education level, outcomes priorities).
5. They sort and tabulate data by computer searching the program improvement database maintained by the Bibliographic Retrieval Services, Inc. (BRS).
6. They create table displays of aggregate data (see findings section of this report).

Findings

The findings reported in this section are based upon data drawn from program improvement project resumes provided by state research coordinating units. A computer search of the Resources in Vocational Education (RIVE) database was conducted through the Bibliographic Retrieval Services, Inc. (BRS), Latham, New York. The numbers of contracts and the amounts of obligated funds for state-administered program improvement projects were retrieved and summarized by categories:

- o Program improvement projects by state
- o Program improvement projects by legislative section
- o Contract recipients of project funding
- o Primary users of state program improvement projects
- o Instructional level
- o Products or outcomes of projects
- o Priorities addressed by projects

Within each category, projects were assigned to only one classification, even though they may have application to more than one area.

The information reported about state-administered program improvement projects in the RIVE database is influenced by the following factors:

1. The information was taken from the funded proposals, but does not reflect subsequent spendout of funds and scope adjustments throughout the life of the project.

2. State departments of vocational education are allowed to carry over funds to the following year, thus allowing some program improvement activity on a continuing, year-round basis.

3. The data reported in this summary reflects the program improvement information in the RIVE database as of November 15, 1983.

4. The program improvement activities reported represent only those receiving federal funds under Section 131 (research), Section 132 (exemplary and innovative), and Section 133 (curriculum development) of Subpart 3 of the Education Amendments of 1976.

5. The projects reported have been verified as correct by the research coordinating units.

Federal Allocations to State Program Improvement

State allocation of program improvement funds to Section 131 (research), Section 132 (exemplary and innovative), and Section 133 (curriculum development) is made possible by federal allocation to the states. Table 1 shows these federal allocations for FY 1978 through 1983. Also shown are the amounts of these funds allocated by the states (collectively) for research, exemplary and innovative, and curriculum development activities.

During these six years, the portion of federal allocation to sections 131-133 showed a maximum of 2.5 percent variation (FY 1978-FY 1983) while total federal allocation showed a maximum differential of nearly $32 million (FY 1981-FY 1983). In FY 1981, states received the highest total allocation for all program improvement, but a reduced percent of allocation for Sections 131, 132, and 133. FY 1983 carried the lowest total allocation, but Sections 131, 132, and 133 received the highest percent of allocation. Overall, the percentage of federal funds allocated by the states to research, exemplary and innovative, and curriculum development activities has remained stable.

State Program Improvement Activity Summary

Table 2 shows the number of vocational education program improvement projects and federal funds obligated for projects in each of the states and territories under provisions of Sections 131, 132, and 133 of P.L. 94-482 during FY 1983.

1. For FY 1983, states and territories reported 573 program improvement projects for which $18,902,365 was obligated.

2. The number of program improvement projects ranged from zero in 13 states and territories to 53 in Pennsylvania.

TABLE 1

FEDERAL ALLOCATIONS FOR STATE PROGRAM IMPROVEMENT ACTIVITIES

(IN DOLLARS)

Fiscal Year	Total Federal Allocation To States for Subpart 3	State Allocation To Sections 131, 132, & 133	Percent of Total Allocated to Sections 131, 132, & 133
1978	103,324,822	18,905,159	18.3
1979	107,667,991	20,158,728	18.7
1980	113,662,067	23,514,466	20.7
1981	126,162,326	24,629,348	19.5
1982	94,670,070	17,430,444	18.4
1983	90,937,070	18,902,365	20.8
TOTAL	636,425,346	123,540,510	19.4 (Ave.)

SOURCE: Office of Vocational and Adult Education, U.S. Department of Education, unpublished allotment tables.

3. Obligations for program improvement ranged from zero in 13 states to $2,238,537 in Florida.

4. The average funding for projects was $32,988, with averages ranging from $2,164 in South Carolina to $229,000 in Michigan.

Table 3 shows the distribution of projects and funds obligated across the program improvement sections (i.e., research, innovative and exemplary, and curriculum development).

1. Overall program improvement funding was divided among sections approximately equally; however, several states still chose to fund projects under only one or two of the three sections (Appendix A).

2. The 180 projects conducted under Section 131 (research) were funded at an average of $26,391.

3. The 161 projects conducted under Section 132 (innovative and exemplary) were funded at an average of $29,913.

4. The 232 projects conducted under Section 133 (curriculum development) were funded at an average of $40,240.

TABLE 2

FY 1983 STATE PROGRAM IMPROVEMENT PROJECTS BY STATE

State or Territory	Number of Projects	Obligated Funds
Alabama	7	45,165
Alaska	1	15,000
Arizona	7	303,983
Arkansas	15	359,490
California	6	356,418
Colorado	0*	--
Connecticut	15	329,255
Delaware	12	97,397
District of Columbia	0	--
Florida	35	2,238,537
Georgia	19	474,102
Guam	0	--
Hawaii	0	--
Idaho	1	12,000
Illinois	35	1,489,697
Indiana	16	1,229,587
Iowa	0	--
Kansas	28	207,270
Kentucky	24	660,112
Louisiana	17	318,347
Maine	0	--
Maryland	2	365,000
Massachusetts	37	1,269,331
Michigan	2	458,000
Minnesota	2	157,145
Mississippi	4	910,717
Missouri	20	471,308
Montana	7	94,376
Nebraska	0	--
Nevada	0	--
New Hampshire	1	4,000
New Jersey	27	468,749
New Mexico	5	172,799
New York	4	148,711
North Carolina	0	--
North Dakota	1	1,500
Ohio	7	659,576
Oklahoma	12	178,000
Oregon	19	276,333
Pennsylvania	53	761,088

TABLE 2-Continued

State or Territory	Number of Projects	Obligated Funds
Puerto Rico	0	--
Rhode Island	0	--
South Carolina	14	30,300
South Dakota	0	--
Tennessee	14	540,611
Texas	14	2,009,358
Utah	1	6,990
Vermont	0	--
Virginia	16	1,349,598
Washington	49	154,400
West Virginia	12	41,005
Wisconsin	9	224,500
Wyoming	3	12,610
TOTALS	573**	18,902,365

*Zero projects are reported for states indicating they did not fund any projects or did not respond to inquiries by the Clearinghouse staff.

**Since the summary was prepared, Iowa reported one FY 1983 project for $20,000 and New York reported 4 projects totaling $900,757.

TABLE 3

FY 1983 STATE PROGRAM IMPROVEMENT PROJECTS BY LEGISLATIVE SECTION

Legislative Section under Subpart 3 P.L. 94-482	Number of Projects	Obligated Funds
Section 131, Research	180	4,750,506
Section 132, Exemplary and Innovative	161	4,816,000
Section 133, Curriculum Development	232	9,335,859
TOTAL	573	18,902,365

5. The average funding for state projects within each of the sections (appendix A) varied considerably:

   - research projects ranged from $1,100 to $153,481.
   - innovative and exemplary projects ranged from $2,805 to $94,225
   - curriculum development projects ranged from $2,685 to $423,355.

Table 4 shows the recipients of project funding in several categories. Percentages shown are for the amounts of funds, not for projects.

1. Nearly 85 percent of the funding was for projects conducted by educational agencies. Four-year colleges and universities conducted 43 percent of the projects, followed by local educational agencies (26.7 percent). Two-year colleges received 6.6 percent of the funds.

2. Noneducational agencies (i.e., research centers, private businesses, public sector, and individuals) conducted projects that were supported with 15.3 percent of the funds.

TABLE 4

RECIPIENTS OF PROJECT FUNDING

Institution or Agency	Number of Projects	Funding of Projects	Percentage of Funding
College or University	180	8,133,949	43.0
Local Education Agency	194	5,070,007	26.7
Research/Development/Curriculum Organization	37	2,599,933	13.8
Community College, Junior College, or Technical Institute	61	1,241,363	6.6
State Education Agency	66	1,125,056	5.9
Intermediate Education Agency	23	459,293	2.4
Business/Industry/Labor	7	205,938	1.1
Public Sector Organizations*	3	59,626	.3
Individuals	2	7,200	.1
TOTALS	573	18,902,365	100.0

*Organizations, agencies, associations, or committees that do not have an educational focus but do receive public funds.

Table 5 displays the number of projects and their funding whose products or outcomes were directed at various educational groups.

1. Nearly 63 percent of the projects indicated that they would yield products or provide services for teachers and/or coordinators.
2. Over 18 percent of the projects were directed toward local and state administrators and supervisors.
3. Only 1.3 percent of the projects were designed specifically to serve teacher educators.

TABLE 5

PRIMARY USERS

Institution or Agency	Number of Projects	Funding of Projects	Percentage of Funding
Teacher/Coordinator	308	11,873,377	62.8
Administrator (Local)	74	2,322,731	12.3
Student	71	1,539,088	8.2
Research and Development Personnel	42	1,190,067	6.3
Administrator/Supervisor (State)	33	1,155,176	6.1
Teacher Educator	14	237,755	1.3
Guidance Personnel	16	228,316	1.2
Parent/Community Representative	8	190,200	1.0
Business, Industry, Labor	2	78,608	.4
Institutionalized (Correctional) Persons	2	24,491	.1
None of These	3	62,556	.3
TOTALS	573	18,902,365	100.0

Table 6 provides information on the number of projects and funding directed toward various instructional levels or combinations of instructional levels.

1. The foci of 54.2 percent of the projects were specifically upon community college, junior college and technical institute, or a combination of postsecondary and high school.
2. The foci of 64.2 percent of the projects were upon high school, or a combination of high school and postsecondary.
3. Less than one percent of the projects had outcomes or services designed specifically for the elementary and junior high school levels.

TABLE 6

INSTRUCTIONAL LEVEL

Instructional Level	Number of Projects	Amount of Funding	Percentage of Funding
High School and Postsecondary (10-14)	160	7,824,280	41.4
High School (10-12)	146	4,310,931	22.8
Community College, Junior College and Technical Institute (13-14)	76	2,416,966	12.8
Secondary (7-12)	52	1,495,713	7.9
College or University (13-16)*	62	901,984	4.8
Elementary and Secondary (K-12)	11	696,398	3.7
Adult	19	361,254	1.9
Junior High School (7-9)	8	117,537	.6
Elementary (K-6)	1	10,300	.1
None of These	38	767,002	4.0
TOTALS	573	18,902,365	100.0

*Includes inservice education

Table 7 shows the nature of products or outcomes of the 573 vocational education program improvement projects administered by the states in FY 1983.

1. Curriculum and instructional products resulted from 215 or 34.8 percent of the projects.

2. Training programs and inservice education were the outcomes of 99 or 12.6 percent of the projects.

3. Evaluation, assessment, and follow-up studies were the outcome or product of 40 projects (5.6 percent).

4. Career and vocational counseling activities were the outcome of 34 projects (5.9 percent).

5. Distribution of materials and development or operation of information systems were the primary activities in 38 projects, but accounted for 22.6 percent of the funding.

Table 8 shows the problem areas addressed by the state-administered vocational education program improvement projects funded during FY 1983.

1. The largest percentage (44.9 percent) was in the area of curriculum (i.e., management, development).

2. The curriculum, dissemination, administration, career development, and industry-education linkage areas account for 68 percent of the projects and 79.1 percent of the funding.

Summary

Several conclusions about the state program improvement activities can be drawn from the data reported in the previous section.

- More funds are being obligated for support services than for program improvement. State program improvement projects funded under Sections 131, 132, and 133 represent $18,902,365 or 20.8 percent of the total amount allocated to the states for program improvement and support services. It is surmised that the remaining 79.2 percent is being obligated for the support services specified in Sections 134, 135, and 136, and possibly for the administration of the state research coordinating units when this is not reported as a project. States vary in the proportion of funds that they devoted to program improvement.

- The FY 1983 percentage of funds allocated for research, exemplary and innovative, and curriculum development projects has increased over FY 1982. Although the total federal allocation for Subpart 3 decreased by $3.7 million, the state allocations to Sections 131, 132, and 133 increased over $1.4 million.

TABLE 7

PRODUCTS OR OUTCOMES OF PROJECTS

Product or Outcome	Number of Projects	Amount of Funding	Percentage of Funding
Printed instructional materials	120	4,365,601	23.1
Materials distribution	21	3,261,163	17.2
Training programs	62	1,764,861	9.3
Curriculum guide	57	1,458,108	7.7
Career and vocational counseling	34	1,113,959	5.9
Information systems	17	1,018,612	5.4
Research	39	912,166	4.8
Nonprint instructional materials	38	762,687	4.0
Inservice education	37	627,798	3.3
Planning	18	546,725	2.9
Handbook or guide	29	434,382	2.3
Evaluation	18	406,951	2.1
Follow-up	11	351,937	1.9
Articulation	8	322,012	1.7
Needs assessment	11	303,290	1.6
RCU operation	2	261,067	1.4
Community involvement	10	259,124	1.4
Model (exemplary)	10	204,103	1.1
Consortium	4	173,625	.9
Placement services	12	152,890	.8
Employment services	3	74,213	.4
Analysis	2	50,000	.3
Literature review	1	30,000	.2
Workshops	1	17,900	.1
Feasibility study	2	7,770	.1
None of these	6	21,421	.1
TOTALS	573	$18,902,365	100.0

TABLE 8

PRIORITIES ADDRESSED BY PROJECTS

Areas of Emphasis	Number of Projects	Amount of Funding	Percentage of Funding
Curriculum	246	8,482,040	44.9
Dissemination of information and/or products	37	3,094,617	16.4
Administration of vocational education	50	1,276,983	6.8
Career Development	30	1,086,984	5.8
Industry/education linkage	25	981,933	5.2
Evaluation	38	916,031	4.8
Disadvantaged	24	522,792	2.8
Handicapped	24	483,073	2.5
Accountability	3	382,405	2.0
Personnel development	16	262,599	1.4
Planning and policy formation	7	205,174	1.1
Teacher education	14	193,084	1.0
Basic skills	13	189,919	1.0
Sex equity	10	154,245	.8
Social and economic problems	5	107,873	.6
Bilingual vocational education	5	104,098	.5
Job placement	6	74,365	.4
Gifted and talented	3	70,094	.4
Rural education	1	60,000	.3
Community education linkage	4	52,071	.3
Adult education	3	38,060	.2
Aging	2	28,031	.1
Transition from education to work	2	27,889	.1
None of these	5	108,005	.6
TOTALS	573	18,902,365	100.0

- Collectively, the states are obligating nearly twice as many funds to curriculum development as they are to the research and exemplary and innovative activities. Individual states, however, vary considerably in this respect, some choose to fund no projects in certain categories.

- The amount obligated for each project varies considerably. There is a wide range in project size within and among states. The average funding per project is $32,488. The actual range is from $2,164 to $229,000.

- State program improvement projects are being conducted by educational agencies and institutions at every level. Only 15 percent of the state program improvement funds go to projects conducted by noneducational agencies. The largest share of the work is being conducted by four-year colleges and universities (43 percent) and local educational agencies (26.7 percent).

- Teachers and coordinators are the primary users for nearly two-thirds of the products and services yielded by the projects. An additional 18 percent of the projects were directed toward local and state administrators and supervisors.

- State program improvement projects have focused on every educational level. Over 54.2 percent of the state program improvement obligations have been at postsecondary, and combined high school and postsecondary levels.

- The greatest number of projects have focused directly on improvement of instruction (i.e., curriculum and instruction projects, 215; training programs and inservice education, 99; evaluation, assessment, and follow-up, 40).

PART II

RESUMES OF STATE-ADMINISTERED PROJECTS IN FY 1983

SAMPLE PROJECT RESUME

Proposal Identification Number	**WA8313334**	
	Digital Control Technology, Phase 1	Title
Project Director	**Project Director:** Smith, Carlton; Schmidt, Goesta	
Organization Name and Address	**Organization:** South Seattle Community College, 6000 Sixteenth Avenue, SW, Seattle, WA 98106	
Telephone Number	**Telephone:** (206) 764-5353	
	Sponsoring Agency: Washington State Commission for Vocational Education, Olympia	Sponsoring Agency
	Contract/Control Number: 83-APV(168)NB	Contract or State Control Number
Funding Period	**Funding Period:** Start Date 30 Dec 82; End Date 30 Dec 83	
Fiscal Year Funding	**Fiscal Year Funding:** $2,500	
Descriptors	**Descriptors:** Course Descriptions, *Electronic Technicians, *Numerical Control, Community Colleges, Curriculum Development, Feedback, Postsecondary Education	
Identifiers	**Identifiers:** State, Proposal, *Microprocessors	
	A curriculum listing prerequisite knowledge and consisting of specific courses and detailed course outlines will be developed to prepare technicians to work with a wide variety of automated systems in which equipment and machines are controlled by microprocessors. The interdisciplinary program will draw from the fields of electronics, computer programming, hydraulics, and pneumatics to prepare students to program, install, service, and trouble-shoot digitally controlled equipment. In cooperation with a technical advisory committee, investigaors will determine prerequisites to, and component parts of, the curriculum. Similar programs at other institutions will be investigated, and advice will be sought from business and industry. The advisory committee, business and industry, the college faculty, and enrollees will provide feedback.	Abstract

Alabama

Exemplary and Innovative (Sec. 132)

AL8313201.

To Test the Economic and Logistical Feasibility of Computer Utilization in Vocational Education Counseling.

Organization: Tallapoosa-Alexander City Training Center, Alexander City School System 100 East Country Club Drive, Alexander City, AL 35010.

Telephone: (205) 329-8448.

Sponsoring Agency: Alabama State Dept. of Education, Montgomery.

Contract/Control No.: CN: AL-RD2-A2-077.

Funding Period: Start Date 01 Dec 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,000.

Descriptors: Career-Counseling. Computer-Oriented-Programs. Computer-Storage-Devices. Information-Retrieval. Information-Storage.

Identifiers: State. Proposal.

A computer will be purchased and programs developed that are suitable for use in vocational education counseling. Necessary information (including data on enrollment, handicapped and disadvantaged, placement opportunities, and employment) will be stored for retrieval. Business and office education students will be taught the system, including instruction in the language and use of small computers. Findings and programs used for storage and retrieval will be available for statewide dissemination. A final report including findings will be delivered.

AL8313202.

Development of a Model Prevocational Program.

Project Director: Hancock, Thomas A.

Organization: Cullman County Schools PO Drawer 518, Cullman, AL 35055.

Telephone: (205) 734-7740.

Sponsoring Agency: Alabama State Dept. of Education, Montgomery.

Contract/Control No.: CN: AL-RD2-A2-076.

Funding Period: Start Date 15 Nov 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,000.

Descriptors: Career-Planning. Class-Activities. Pilot-Projects. Prevocational-Education. Units-Of-Study.

Identifiers: State. Proposal.

Instructional units and experiences will be selected and developed to provide seventh, eighth, and ninth grade students with information for making choices regarding vocational training suited to their abilities and interests. Alabama's 'Prevocational Implementation Guide' will be used as the planning guide. Through at least three all day meetings and work sessions, a committee of local administrators, teachers, and counselors, together with state department of education specialists, will formulate plans and draw a tentative timetable for implementation of prevocational programs, construct the model, and select the instructional units for the model. Instructional materials and equipment necessary for implementation then will be located, and selected elements of the model will be pilot tested in selected classes. Two products will be delivered: a final report documenting the process for major curriculum revision in a local education agency and a complete management plan and curriculum guide for prevocational program.

AL8313203.

Vocational Assessment System.

Organization: Enterprise City Board of Education 502 East Watts Avenue, Enterprise, AL 36330.

Telephone: (205) 347-9531.

Sponsoring Agency: Alabama State Dept. of Education, Montgomery.

Contract/Control No.: CN: AL-RD2-A2-079.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,000.

Descriptors: Career-Counseling. Daily-Living-Skills. Disadvantaged-Youth. Systems-Development. Vocational-Evaluation.

Identifiers: State. Proposal.

Disadvantaged students will be provided with experiences that will enable them to make meaningful choices for occupational programs. They also will learn self-sustaining skills. The ongoing system of vocational assessment implemented will provide students with appropriate training for entry-level employment by ensuring appropriate placement into meaningful vocational programs in senior high school and appropriate job placement upon program completion. A plan will be developed for an inservice workshop for special education and vocational education personnel to explain the purpose of the program. Other procedures will include deciding when and where an assessment lab will be located and who will operate the lab, completing a job analysis of the vocational classes on campus and the community jobs available, and determining alternative vocational program or training placement. A model will be produced for identifying, assessing, programming, and counseling special needs students and for making recommendations for student placement.

AL8313204.

Prevocational Program for Ninth Grade Students.

Organization: Russellville City Board of Education PO Box 880, Russellville, AL.

Telephone: (205) 332-4553.

Sponsoring Agency: Alabama State Dept. of Education, Montgomery.

Contract/Control No.: CN: AL-RD2-A2-080.

Funding Period: Start Date 01 Sep 82; End Date 20 May 83.

Fiscal Year Funding: $5,000.

Descriptors: Career-Awareness. Career-Exploration. Career-Planning. Experiential-Learning. Prevocational-Education.

Identifiers: State. Proposal.

Through career awareness and exploration activities, students will plan and prepare for their careers. They will realize that they will have to make a career choice and will begin to prepare for it, realizing also that occupational preference may change over the years. Students will learn to judge reference and resource materials and to collect, organize, and understand information about occupations and about themselves. Additionally, they will have hands-on simulated shop experiences. Ninth grade students will be grouped into five sections of seventeen to twenty students each. Following a rotating schedule, students will engage in classroom activities and exploratory experiences for thirty-four days each in auto mechanics, welding, cosmetology, home economics, and drafting and for two weeks each in air conditioning and refrigeration and radio and television. Also, students will visit classes in business education, trade and industrial education, distributive education, and agribusiness. Teachers of other subjects will be asked to discuss the relationship of the subjects they teach to different occupations, and resource persons engaged in business and industry in the community will be invited and scheduled to meet with students throughout the year. Career plan notebooks and the model for ninth grade prevocational education will be delivered.

AL8313205.

Workshop for Vocational Teachers.

Project Director: Linley, Jerry P.

Organization: Selma High School 2180 Broad Street, Selma, AL 36701.

Telephone: (205) 875-2400.

Sponsoring Agency: Alabama State Dept. of Education, Montgomery.

Contract/Control No.: CN: AL-RD2-A2-073.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $4,605.

Descriptors: Inservice-Teacher-Education. Student-Improvement. Teacher-Workshops.

Identifiers: State. Proposal.

Vocational teachers will be trained to relate skills from the basic competency test to vocational program content. They then will be able to train students, improving student skills in math, reading, and language, and to document such training. A final report will be delivered.

AL8313206.
Career-Job Placement Center.
Project Director: Heatherly, William
Organization: Wallace State Community College PO Box 250, Hanceville, AL 35077.
Telephone: (205) 352-6403.
Sponsoring Agency: Alabama State Dept. of Education, Montgomery.
Contract/Control No.: CN: AL-RD2-A2-074.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $15,000.
Descriptors: Career-Planning. Information-Centers. Information-Dissemination. Occupational-Information.
Identifiers: State. Proposal.

Through this model of a career planning, job selection center, information about occupations and associated educational opportunities will be provided to at least 650 Wallace State students; 10th, 11th, and 12th grade students from at least six nearby high schools; and at least 200 community residents. Job placement will be made for at least 20 percent of students who desire it. Daily logs will be kept for these activities. The center director will visit each high school involved to demonstrate the computer terminal prior to students' going to the center.

AL8313207.
Workshop Materials for a Microcomputer Accountability System for Vocational Programs.
Project Director: Stripling, Max
Organization: Pickens County School System Charles LaDow Area Vocational Center, PO Box 111, Carrollton, AL 35447.
Telephone: (205) 367-8061.
Sponsoring Agency: Alabama State Dept. of Education, Montgomery.
Contract/Control No.: CN: 30528; PN: AL-RDZ-A2-081.
Funding Period: Start Date 01 Apr 83; End Date 30 Jul 83.
Fiscal Year Funding: $5,560.
Descriptors: Computer-Programs. Educational-Administration. Guides. Material-Development.
Identifiers: State. Proposal.

Software for the model accountability system for local schools and their central offices will be developed, installed in selected school systems, field-tested, and refined. Manuals for each software package also will be developed. Documentation for dissemination will be developed, and programs will be designed to train staff in other school systems and state staff.

Alaska

Exemplary and Innovative (Sec. 132)

AK8313201.

Anchorage Cooperative Vocational Education Planning Project.

Organization: Anchorage Borough School District 4600 DeBarr Road, Pouch 6-614, Anchorage, AK 99502.

Telephone: (907) 333-9561.

Sponsoring Agency: Alaska State Dept. of Education, Juneau.

Contract/Control No.: CN: V30519.

Funding Period: Start Date 30 Dec 82; End Date 30 Sep 83.

Fiscal Year Funding: $15,000.

Descriptors: Agency-Cooperation. Community-Colleges. Delivery-Systems. Labor-Needs. Needs-Assessment. Program-Design. Program-Development. School-Districts.

Identifiers: State. Proposal.

The Anchorage School District and Anchorage Community College will plan and design future vocational education programs to increase student employability, program efficiency and effectiveness, and articulation between programs. These institutions will assess their delivery systems and perform a labor needs study, based on Chamber of Commerce data, local business needs, and Department of Labor data. Business and industry representatives will review the facilities, equipment, and course content and make recommendations. A new delivery system will be developed. This system will make curriculum relevant to job placement and will contain adequate tracking and evaluation strategies.

Arizona

Research (Sec. 131)

AZ8313101.
Project 1995: **A Comprehensive Management Plan for Vocational Education in Arizona.**
Project Director: Kerwood, Robert
Organization: Northern Arizona University Center for Vocational Education, Box 15095, Flagstaff, AZ 86011.
Telephone: (602).779-6161.
Sponsoring Agency: Arizona State Dept. of Education, Phoenix.
Contract/Control No.: CN: 83.4.1 Goal 4.
Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.
Fiscal Year Funding: $130,000.
Descriptors: Delivery-Systems. Financial-Policy. Management-Development. Management-Information-Systems. Systems-Development.
Identifiers: State. Proposal.

The plan developed will integrate information from the fourteen Project 1995 monographs which will be based on literature reviews and presented to nine Arizona vocational education groups for advice on improvement. Outcomes will include a needs assessment, delivery systems, a finance system, and a management information system. Copies of six of the monographs will be printed and delivered.

AZ8313102.
Arizona Vocational Education Effectiveness Study.
Project Director: Armstrong, Marcia
Organization: Northern Arizona University, Center for Vocational Education PO Box 15095, Flagstaff, AZ 86011.
Telephone: (602) 779-6161.
Sponsoring Agency: Arizona State Dept. of Education, Phoenix.
Contract/Control No.: CN: 83.5.1 Goal 1.
Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.
Fiscal Year Funding: $34,983.
Descriptors: Program-Effectiveness. Program-Evaluation. Surveys.
Identifiers: State. Proposal.

The effectiveness of vocational education in Arizona will be measured through the replication of an Oregon survey and through an Arizona component measuring quantitative issues in vocational effectiveness. Oregon surveys will be reviewed to develop recommendations for increasing the effectiveness of the Arizona study. The original survey instruments and a final report will be delivered.

AZ8313103.
Schools to Tell the Arizona Vocational Education Story: Project V.E.R.S.O.S. Sky-12 Visits Arizona.
Project Director: Wasson, David
Organization: Mohave Educational Services Cooperative 515 West Beale, Kingman, AZ 86401.
Telephone: (602) 753-6945.
Sponsoring Agency: Arizona State Dept. of Education, Phoenix.
Contract/Control No.: CN: 83.4.1 Goal 3.
Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.
Fiscal Year Funding: $22,000.
Descriptors: Interviews. Programing-Broadcast. Publicity. State-Programs. Television. Videotape-Cassettes.
Identifiers: State. Proposal.

A television special will be produced which tells about vocational education in Arizona. The host (Jerry Foster) will visit selected vocational education programs throughout the state and interview students, teachers, parents, and employers. In addition, key state leaders in education, business, and the legislature will be contacted for comments. The program will be aired on Phoenix station KPNX-TV and then be made available to public television and local cable TV channels. Copies of a multimedia package consisting of a video cassette, copy of the narrative, presenter's guide, overhead masters, and other materials will be delivered.

Exemplary and Innovative (Sec. 132)

AZ8313201.
High Impact Training Services.
Project Director: Condon, John T.
Organization: University of Arizona, Continuing Education Outreach University of Arizona, Tucson, AZ 85721.
Telephone: (602) 264-9574.
Sponsoring Agency: Arizona State Dept. of Education, Phoenix.
Contract/Control No.: CN: 83.4.2 Goal 7.
Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.
Fiscal Year Funding: $20,000.
Descriptors: Allied-Health-Occupations-Education. Entry-Workers. Health-Occupations. Job-Training. Program-Design. Program-Implementation. Promotion-Occupational.
Identifiers: State. Proposal.

Models for addressing high intensity secondary and postsecondary vocational education training for business and industry will be developed. Coalition members will design and implement job entry, job maintenance, and/or job advancement programs for health care occupations. These programs will serve as models for other parts of the state and for other occupations. A final report which includes the model, target audiences, evaluation methods, and an implementation guide will be delivered.

AZ8313202.
Productivity Enhancement.
Project Director: Conter, Robert
Organization: University of Arizona, Continuing Education 1717 East Speedway Boulevard, Tucson, AZ 85719.
Telephone: (602) 626-0296.
Sponsoring Agency: Arizona State Dept. of Education, Phoenix.
Contract/Control No.: CN: 83.4.2 Goal 6.
Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.
Fiscal Year Funding: $27,000.
Descriptors: Conferences. Educational-Resources. Improvement. Instructional-Materials. Productivity.
Identifiers: State. Proposal.

Productivity enhancement materials will be developed and disseminated. Existing resources and materials will be researched and reviewed, refined, edited, and field-tested. A statewide symposium will be held for business, industry, and government representatives to disseminate the finished program and materials. Copies of the materials, symposium synopsis, and recommendations for future productivity enhancement programs will be delivered.

Curriculum Development (Sec. 133)

AZ8313301.
Competency-based Curriculum—Electronic Technician.
Project Director: Hammann, Mary
Organization: Pima Community College District 2202 West Anklam Road, Tucson, AZ 85709.
Telephone: (602) 844-6666.
Sponsoring Agency: Arizona State Dept. of Education, Phoenix.
Contract/Control No.: CN: 83.5.3 Goal 8.1.
Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.

Fiscal Year Funding: $10,000.

Descriptors: Audiovisual-Aids. Competency-Based-Education. Core-Curriculum. Electronic-Technicians. Individualized-Instruction. Learning-Modules.

Identifiers: State. Proposal.

A model competency-based, individualized, core curriculum will be developed for electronic technicians. Twenty learning packets will be developed, pilot tested, and revised. Audiovisual materials will be developed to accompany the packets. Packets will be copied and disseminated.

AZ8313302.

Competency-based Curriculum—Trade and Industrial Education, Business Education, Home Economics, Marketing and Distributive Education.

Project Director: Cox, Jerry

Organization: Northern Arizona University, Center for Vocational Education PO Box 15095, Flagstaff, AZ 86011.

Telephone: (602) 779-6161.

Sponsoring Agency: Arizona State Dept. of Education, Phoenix.

Contract/Control No.: CN: 83 Goal 8.2.

Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.

Fiscal Year Funding: $60,000.

Descriptors: Business-Education. Competency-Based-Education. Distributive-Education. Home-Economics-Education. Marketing. Trade-and-Industrial-Education.

Identifiers: State. Proposal.

Based on research, data from state supervisors, and discussions with state supervisors a target occupation from each identified area will be identified for curriculum development or revision. Copies of the competency-based curricula will be delivered.

Arkansas

Research (Sec. 131)

AR8313102.

Mining and Power Production Technology Curriculum Research for Southeast Arkansas Area Impacted by New Lignite Industry.

Project Director: Robinson, Fred

Organization: Warren Area Vocational-Technical Center Warren School District, 800 North Walnut, Warren, AR 71671.

Telephone: (501) 226-6920.

Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.

Contract/Control No.: CN: R80-01A-(X3957).

Funding Period: Start Date 01 Oct 81; End Date 31 Dec 82.

Fiscal Year Funding: $34,636.

Descriptors: Coal. Economic-Climate. Educational-Needs. Employment-Potential. Employment-Projections. Mining. School-Business-Relationship.

Identifiers: State. Proposal.

In this continuation of contract R80-01A, the role of vocational education in meeting the emerging economic, educational, and training needs of new industry in a community will be determined. Project staff will analyze data collected at lignite mining areas and conduct a needs assessment of the present capability of secondary and postsecondary vocational programs to meet mining industry needs. Training capabilities in relationship to potential employment needs will be studied. Curriculum outlines will be prepared to reflect industrial requirements. A model design helpful to other communities preparing for the impact of new industry and the curriculum outlines will be delivered.

AR8313103.

Development of Statewide Competency-based Curriculum Guides and Administrative Materials in Business Education.

Project Director: Park, Ok D.; Clayton, Dean

Organization: University of Arkansas Area of Vocational Education, Graduate Education Building, University of Arkansas, Fayetteville, AR 72701.

Telephone: (501) 575-4758.

Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.

Contract/Control No.: CN: R 83-02 (F5067).

Funding Period: Start Date 10 Sep 82; End Date 31 Dec 83.

Fiscal Year Funding: $29,870.

Descriptors: Business-Education. Competency-Based-Education. Curriculum-Guides. Instructional-Materials. Teaching-Methods.

Identifiers: State. Proposal.

Instructional materials for competency-based teaching and learning in business education will be identified, adapted, and/or revised. The Mid-America Vocational Curriculum Consortium (MAVCC) format will be used to improve the present curriculum guides by incorporating criterion-referenced tests into the programs. Administrative materials also will be revised. The guides will be field-tested by business education teachers, then revised, produced, and disseminated.

AR8313104.

Development of Competency-based, Criterion-referenced Curriculum Materials for Vocational Agriculture Program.

Project Director: Scanlon, James A.

Organization: University of Arkansas Area of Vocational Education, Graduate Education Building, University of Arkansas, Fayetteville, AR 72701.

Telephone: (501) 575-4758.

Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.

Contract/Control No.: CN: R 83-03 (F5065).

Funding Period: Start Date 13 Sep 82; End Date 30 Jun 83.

Fiscal Year Funding: $28,199.

Descriptors: Agricultural-Education. Agricultural-Production. Career-Exploration. Competency-Based-Education. Curriculum-Guides. Horticulture.

Identifiers: State. Proposal.

A competency-based criterion-referenced curriculum guide will be developed for each of three courses: exploratory agriculture and semester courses in production, horticulture and livestock production. A literature search will be conducted for materials similar to the type proposed. Teacher committees will screen materials and develop outlines for each guide. After field tests, the guides will be revised and reproduced for distribution.

AR8313105.

Cooperative Vocational Education for Postsecondary.

Project Director: Wear, Charles; Parks, Beverly

Organization: Petit Jean Vocational-Technical School Highway 9 North, Morrilton, AR 72110.

Telephone: (501) 354-2465.

Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.

Contract/Control No.: CN: R 83-01 (5066).

Funding Period: Start Date 10 Sep 82; End Date 31 Dec 83.

Fiscal Year Funding: $23,681.

Descriptors: Administrator-Guides. Cooperative-Programs. Needs-Assessment. Pilot-Projects. School-Business-Relationship. Teaching-Methods. Training-Methods.

Identifiers: State. Proposal.

Postsecondary instructional programs will be strengthened and linkages expanded between school and the employment community through cooperative vocational education activities. A needs assessment will be conducted in a six-county area. A guide for implementing a postsecondary cooperative vocational education program will be developed and disseminated. The project will be field-tested in at least four training areas. Dissemination and utilization activities will be provided for all postsecondary vocational-technical schools. A model program and a dissemination guide will be delivered.

AR8313107.

Developing, Field-testing, and Utilizing Interstate Distributive Curriculum Consortium.

Project Director: Kirspel, Kenneth

Organization: North Little Rock School District North Little Rock, AR 72114.

Telephone: (501) 771-6150.

Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.

Contract/Control No.: CN: R-8304.

Funding Period: Start Date 01 Dec 82; End Date 30 Jun 83.

Fiscal Year Funding: $2,700.

Descriptors: Competency-Based-Education. Instructional-Materials. Inservice-Teacher-Education. Learning-Modules. Teacher-Workshops.

Identifiers: State. Proposal. *Interstate Distributive Education Curriculum Consortium.

A learning activity package (LAP) acceptable to the IDECC staff will be developed. This will improve vocational education programs through the development and use of competency-based curriculum. A workshop will be conducted at which LAPs will be developed by teams of writers. One Arkansas marketing/distributive education teacher will participate in this workshop to learn to write LAPs and to use competency-based curriculum.

AR8313108.

Arkansas Vocational Curriculum Fair—EXPO '83: 'Tools of Our Trade.'.

Project Director: Cunningham, Paul

Organization: Arkansas Division of Vocational and Technical Education Education Building West, Capitol Mall, Little Rock, AR 72201.
Telephone: (501) 371-1855.
Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.
Contract/Control No.: CN: R-8305.
Funding Period: Start Date 01 Nov 82; End Date 30 Jun 83.
Fiscal Year Funding: $10,000.
Descriptors: Administrators. Curriculum. Educational-Equipment. Exhibits. Instructional-Materials. Resource-Materials. School-Counselors. Vocational-Education-Teachers.
Identifiers: State. Proposal.

The Arkansas Vocational Curriculum Fair will familiarize teachers with new materials and ideas to use in their local programs. Through the special interest minisessions, participants will be provided products and information regarding program improvement projects. Potential exhibitors will be sent information on the fair and invited to participate. Vocational teachers, administrators, and counselors will be invited to attend.

AR8313109.

Development of a Set of Curriculum Materials for the Implementation of an Instructional Strategy for Teaching Basic Mechanical Skills in Exploratory Vocational Agriculture Classes (Continuation).

Project Director: Scanlon, James A.
Organization: University of Arkansas Graduate Education Building, Fayetteville, AR 72701.
Telephone: (501) 575-4758.
Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.
Contract/Control No.: CN: R82-01-F3979.
Funding Period: Start Date 01 Jul 82; End Date 31 Dec 82.
Fiscal Year Funding: $14,771.
Descriptors: Agricultural-Education. Career-Exploration. Mechanical-Skills. Teaching-Methods. Teacher-Workshops.
Identifiers: State. Proposal.

It is expected that the set of curriculum units developed will become core material for all state programs. A series of four one-and-a-half-day workshops will be held in Arkansas to develop the field test edition and the dissemination edition of the curriculum materials. An instructional strategy model will be tested and refined in the same manner. The twenty-eight teacher participants will use the materials and model in their exploratory agriculture classes. Both process and product evaluation will be conducted throughout the duration of the project.

Exemplary and Innovative (Sec. 132)

AR8313202.

Development and Implementation of a Math and Communication Program for Postsecondary Vocational-Technical Schools of Arkansas.

Organization: University of Arkansas Fayetteville, AR 72701.
Telephone: (501) 575-4758.
Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.
Contract/Control No.: CN: E83-05 (F 5082).
Funding Period: Start Date 15 Sep 82; End Date 30 Jun 84.
Fiscal Year Funding: $33,800.
Descriptors: Communications. Competency-Based-Education. Mathematics-Curriculum. Program-Development. Vocational-Schools.
Identifiers: State. Proposal.

The mathematics and communication program developed will be field-tested, implemented through an inservice program, and disseminated. Minimum entry-level competencies will be established for enrollees. Core competencies and additional required competencies will be identified. A learner's needs assessment program will be developed for each identified course. This project is expected to standardize mathematics and communication courses, strengthen learner's skills, and keep programs current with industry's needs.

AR8313203.

Design, Develop, Implement, and Disseminate a Guide for an Inservice Training Program on the Effective Use of Advisory Councils.

Project Director: Love, Edwin L.
Organization: University of Arkansas Fayetteville, AR 72701.
Telephone: (501) 575-4758.
Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.
Contract/Control No.: CN: E83-04 (F 5080).
Funding Period: Start Date 15 Sep 82; End Date 30 Jun 83.
Fiscal Year Funding: $38,229.
Descriptors: Advisory-Committees. Evaluation-Methods. Guides. Inservice-Teacher-Education. Laws. Meetings. Organizational-Communication. Professional-Associations. Program-Effectiveness.
Identifiers: State. Proposal.

Vocational teachers will be taught to organize and operate advisory councils to benefit students. Teachers will identify components of an advisory council, write constitution and bylaws, plan the first three meetings, plan a program of work, establish a council communication system, and develop council evaluation systems. A guide entitled 'Effective Design and Utilization of Vocational Advisory Councils' will be developed and disseminated. These councils will be useful in determining curriculum, shop and laboratory equipment, and supervised occupational experience programs and will provide support through communications with the community, administration, counselors, and general education teachers.

AR8313204.

Guidance Services in Postsecondary Vocational-Technical Schools (Continuation).

Project Director: Cheek, Hugh; Brooks, Phyllis
Organization: Quapaw Vocational-Technical School 201 Vo-Tech Drive, Hot Springs, AR 71901.
Telephone: (501) 767-9314.
Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.
Contract/Control No.: CN: E81-03 (F 3579).
Funding Period: Start Date 01 Aug 82; End Date 30 Jun 83.
Fiscal Year Funding: $23,291.
Descriptors: Followup-Studies. Group-Counseling. Guidance-Programs. Individual-Needs. Inservice-Teacher-Education. Job-Placement. Occupational-Information. Pilot-Projects. Referral. School-Counselors. Testing. Vocational-Schools.
Identifiers: State. Proposal.

A student-oriented guidance service for postsecondary vocational schools will be developed. This program will expand guidance services that are responsive to individual and community needs. A pilot assessment program will be developed to provide testing, career information, and counseling for students entering vocational schools. Individual and group counseling and referral will be offered to students with special needs. Inservice programs will be held for staff to inform them of the program's services. A job placement and follow-up program will be implemented.

AR8313205.

Competency-based General Cooperative Education Curriculum Materials.

Organization: University of Arkansas Fayetteville, AR 72701.
Telephone: (501) 575-4758.
Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.
Contract/Control No.: CN: E83-03 (F 5081).
Funding Period: Start Date 15 Sep 82; End Date 30 Jun 85.
Fiscal Year Funding: $12,555.
Descriptors: Competency-Based-Education. Competence.
Identifiers: State. Proposal.

General and technical competencies necessary for success in general cooperative education programs will be determined. Curriculum materials, based on general competencies appropriate for general cooperative education related classes, will be prepared using the Mid-America Vocational Curriculum Consortium format. Training plan outlines for use on the job in the six most frequently represented services also will be prepared. Curriculum guides and training plan outlines will be field-tested and disseminated.

AR8313206.

Developing and Disseminating an Activity-based Learning Experience Booklet for Student Self-development in Career Orientation (Continuation).

Organization: University of Arkansas Fayetteville, AR 72701.

Telephone: (501) 575-3509.

Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.

Contract/Control No.: CN: E8022(F1067)(F1601)(F4494).

Funding Period: Start Date 01 Jul 82; End Date 31 Dec 82.

Fiscal Year Funding: $5,173.

Descriptors: Career-Awareness. Junior-High-School-Students. Learning-Experience. Self-Actualization. Vocational-Maturity.

Identifiers: State. Proposal.

Information regarding the concepts of self-development and career maturity as they relate to junior high school students will be gathered from selected teachers and students. The learning experience will be developed and evaluated through a pilot study. Study results will be used to develop the remaining learning experiences. The materials will be field-tested, reproduced in the booklet, and disseminated.

AR8313207.

Public and Community Awareness in Vocational Education (Continuation).

Project Director: Check, Hugh; Reyes, Mary

Organization: Quapaw Vocational-Technical School 201 Vo Tech Drive, Hot Springs, AR 71901.

Telephone: (501) 767-9314.

Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.

Contract/Control No.: CN: E81-01(F 3578).

Funding Period: Start Date 01 Aug 82; End Date 30 Jun 83.

Fiscal Year Funding: $23,219.

Descriptors: Community-Relations. Information-Dissemination. Publicity. Public-Relations. School-Community-Relationship. Vocational-Schools.

Identifiers: State. Proposal.

In a model project for other communities, community awareness of vocational education and a positive public image of vocational education schools will be established. The public awareness counselor will coordinate the program, contact community and school leaders, and use communication channels to improve the program's image. The projected two-year program will be evaluated via a checklist to assess, analyze, and implement each of the program's objectives. The planning design will be modified for delivery and dissemination.

AR8313208.

The Transitional Year—A Systematic Approach to Career Placement (Continuation).

Organization: Mills High School 1500 Dixon Road, PO Box 6409, Little Rock, AR 72216.

Telephone: (501) 490-1477.

Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.

Contract/Control No.: CN: E81-01 (F 2393) (F 2366).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $38,525.

Descriptors: Career-Guidance. Counseling-Services. Grade-12. High-School-Seniors. Individualized-Programs. Job-Placement. School-Community-Programs. School-Counselors.

Identifiers: State. Proposal.

A school-community based model for maximizing the career guidance, counseling, and placement goals of twelfth grade students will be developed and implemented. At Wilbur D. Mills High School, a counseling and vocational education specialist will provide personalized guidance, counseling, and placement services for each graduating senior. Records will be maintained and follow-up research and comparative analysis conducted by computer. This project will demonstrate the benefits of employing a vocationally certified counselor at a high school. A comprehensive dissemination guide to facilitate project replication will be delivered.

AR8313209.

The Development and Implementation of a Competency Certificate System for Arkansas Vocational and Technical Programs.

Organization: University of Central Arkansas Conway, AR 72032.

Telephone: (501) 450-3121.

Sponsoring Agency: Arkansas State Dept. of Education, Little Rock.

Contract/Control No.: CN: E8301.

Funding Period: Start Date 01 Dec 82; End Date 30 Jun 84.

Fiscal Year Funding: $40,841.

Descriptors: Academic-Achievement. Behavioral-Objectives. Certification. Competence. Competency-Based-Education. Educational-Certificates. Performance-Tests.

Identifiers: State. Proposal.

A competency certificate system will be developed, field-tested, and implemented in Arkansas vocational and technical programs to communicate to prospective employers and others the proficiency (achievement) of vocational students in a verified list of competencies. A composite list will be developed and verified. Performance tests will be identified which may be used in measuring and recording student progress in each of the major competency areas. An advisory committee will approve certificate system format and mission statements for each program level.

California

Research (Sec. 131)

CA8313101.

Phase 2 of the Longitudinal Follow-up Study of Vocational Education Students Completing and Leaving Secondary Level Programs.

Organization: Educational Evaluation and Research, Inc. 250 South Castanya Way, Menlo Park, CA 94025.

Telephone: (415) 325-3254.

Sponsoring Agency: California State Dept. of Education, Sacramento.

Contract/Control No.: CN: 0502.

Funding Period: Start Date 01 Aug 82; End Date 31 Jul 83.

Fiscal Year Funding: $35,792.

Descriptors: Data-Collection. Feasibility-Studies. Followup-Studies. High-School-Graduates. Longitudinal-Studies. Student-Records.

Identifiers: State. Proposal. Income Tax Returns.

A longitudinal follow-up study of vocational education students who have completed or left secondary-level programs will be conducted. Students who took part in the last sample will be contacted for a three-year follow-up sample. A second sample will be selected and validated, and tracking information will be collected on these individuals. The feasibility of using state income tax return data in lieu of student questionnaire data will be explored. Then, the longitudinal study design and procedures will be finalized. Deliverables will include a computer tape containing second annual sample data, a newsletter summarizing the project, and a progress report on the state income tax feasibility study.

CA8313102.

Follow-up of Students and Employers (FUSE).

Organization: Sacramento City Schools Office 9738 Lincoln Village Drive, Sacramento, CA 95827.

Telephone: (916) 366-2610.

Sponsoring Agency: California State Dept. of Education, Sacramento.

Contract/Control No.: CN: 0782.

Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.

Fiscal Year Funding: $135,765.

Descriptors: Employer-Attitudes. Followup-Studies. Graduate-Surveys. Outcomes-Of-Education.

Identifiers: State. Proposal. Telephone Surveys.

A follow-up study will be conducted of students who graduated from secondary schools in vocational education classes. A questionnaire will be mailed to students and processed when returned. A second questionnaire will be mailed and processed. If under 50 percent of the questionnaires are returned, a telephone survey will be conducted. Student data will be summarized and a report written. Employers of these students will be sent questionnaires concerning the adequacy of the students' training. If necessary, a telephone survey will be conducted. Employer data will be summarized and a report written. A final report will be prepared.

CA8313103.

Vocational and Occupational Information Center for Educators (VOICE) Dissemination System Service.

Organization: San Diego State University San Diego, CA 92182.

Telephone: (714) 265-5380.

Sponsoring Agency: California State Dept. of Education, Sacramento.

Contract/Control No.: CN: 0586.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $72,999.

Descriptors: Abstracts. Classification. Information-Dissemination. Information-Networks. Information-Services. Indexing. Occupational-Information. Vocational-Education-Teachers.

Identifiers: State. Proposal.

The service will be established to process requests for and disseminate vocational education materials; abstract documents; review the taxonomy of descriptors and information dissemination on VOICE; and identify, screen, and secure new materials. Evaluation of these project procedures and products will be conducted through review of the activities, submission of quarterly progress reports and a final report, and continuous liaison between VOICE and the evaluation consultant. At least one presentation per month on VOICE services will be conducted. VOICE services will be publicized in state vocational organizational newsletters. An instate informal network of teacher educators, community college instructors, and high school teachers will be established to identify new materials for VOICE.

CA8313104.

Board of Governors, California Community Colleges.

Project Director: Board of Governors

Organization: California Community Colleges Forum Building, Sacramento, CA 95814.

Telephone: (916) 445-0486.

Sponsoring Agency: California State Dept. of Education, Sacramento.

Contract/Control No.: CN: 0658.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $72,183.

Descriptors: Ancillary-School-Services. Community-Colleges. Compliance-Legal. Educational-Administration. Human-Resources. Supervision.

Identifiers: State. Proposal.

The chancellor's office will provide qualified staff and perform all functions and duties necessary for the effective administration and supervision of community college level program improvement and supportive services activities funded under Public Law 94-482, Part A, Subpart 3. Such administration and supervision will be done in accordance with Public Laws 94-482 and 95-40 and with applicable policies and procedures of the California Five-Year State Plan for Vocational Education. Planning, statistical, financial, and evaluation data and reports on community college Research Coordinating Unit activities will be delivered.

CA8313105.

Vocational Education Management Study.

Project Director: Thompson, Orvill E.

Organization: University of California—Davis Office of Research, Davis, CA 95616.

Telephone: (916) 752-2075.

Sponsoring Agency: California State Dept. of Education, Sacramento.

Contract/Control No.: CN: 3-3-155.

Funding Period: Start Date 03 Sep 82; End Date 15 Nov 82.

Fiscal Year Funding: $19,679.

Descriptors: Administrative-Organization. Interviews. Program-Design. Program-Implementation. Questionnaires. Surveys.

Identifiers: State. Proposal. Telephone Surveys.

A survey will be designed and implemented to identify program activities that vocational education staff should undertake and contribute to the development of an appropriate organizational arrangement for the vocational education staff of the chancellor's office. Materials from stages 1, 2, and 3 of the study will be reviewed prior to development of a questionnaire to be mailed to the sample population. Personal interviews and phone interviews also will be conducted. Continual coordination with project monitor and consultant will ensure attainment of project objectives.

Curriculum Development (Sec. 133)

CA8313301.

Essential Living Skills.

Organization: Folsom Cordova Unified School District 1091 Caloma Street, Folsom, CA 95630.

Telephone: (916) 362-1104.

Sponsoring Agency: California State Dept. of Education, Sacramento.

Contract/Control No.: CN: 0766.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $20,000.

Descriptors: Consumer-Education. Daily-Living-Skills. Home-Economics-Teachers. Instructional-Materials. Occupational-Home-Economics. Teaching-Methods.

Identifiers: State. Proposal.

Teaching materials and strategies that interface with the essential living skills will be identified. An analysis will also be made of areas in need of further curriculum development. Dissemination and inservice education on essential living skills materials will be provided through clinics, workshops, road shows, and on-site curriculum consultant services in all six regions in the state. A third party evaluator will be given copies of the project to examine. All materials developed will be delivered.

Connecticut

Research (Sec. 131)

CT8313101.
Emerging High Technology—Opportunities in Connecticut.
Project Director: Jensen, Robert W.
Organization: Board of Trustees for State Technical Colleges Suite 301, 61 Woodland Street, Hartford, CT 06105.
Telephone: (203) 566-3976.
Sponsoring Agency: Connecticut State Dept. of Education, Hartford.
Contract/Control No.: CN: 83-0494.
Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.
Fiscal Year Funding: $30,000.
Descriptors: Job-Analysis. Occupational-Information. School-Business-Relationship. Technological-Advancement.
Identifiers: State. Proposal. *Emerging Occupations. *High Technology.

An investigation will be made into the growing number of high technology jobs and the skills required to perform these jobs. Research via literature searches, written documentation from state officials, and workshops with industry officials will be performed to gain information. An interim report will indicate which of these skills can be acquired at the secondary and at the postsecondary levels. Postsecondary curriculum proposals will be written. Both the interim report and the curriculum proposal will be delivered.

CT8313102.
Assessing the Employment and Training Needs of Hispanics.
Project Director: Chung, Hyung C.
Organization: Urban Management Institute University of Bridgeport, Bridgeport, CT 06477.
Telephone: (203) 576-4009.
Sponsoring Agency: Connecticut State Dept. of Education, Hartford.
Contract/Control No.: CN: PS 83-2974.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $34,920.
Descriptors: Adults. Educational-Needs. Employment-Opportunities. Hispanic-Americans. Needs-Assessment. Out-of-School-Youth. Sociocultural-Patterns.
Identifiers: State. Proposal.

The employment and training needs of Hispanic adults and out-of-school youth will be assessed as well as the sociocultural impediments to career advancement. An advisory committee will be established. Approximately five hundred Hispanic households will be surveyed by labor market area to develop strategies for improving employment and training opportunities. Training/supportive service resources will be catalogued. Conclusions and implications will be prepared through multiple regression analysis. A technical report and a summary report will be delivered.

Exemplary and Innovative (Sec. 132)

CT8313201.
Occupational Food Service Program.
Project Director: Tozzoli, Michael J.
Organization: Stamford Public Schools 195 Hillandale Avenue, Stamford, CT 06902.
Telephone: (203) 358-4317.
Sponsoring Agency: Connecticut State Dept. of Education, Hartford.
Contract/Control No.: CN: 83-2954.
Funding Period: Start Date 01 Sep 82; End Date 30 Jun 83.
Fiscal Year Funding: $30,000.
Descriptors: Food-Service. Job-Skills. On-The-Job-Training. Work-Experience-Programs.
Identifiers: State. Proposal.

An occupational food service program will be established to teach food service job skills, provide work experience, and reinforce job behavioral patterns for secondary students. Sixteen to twenty students will learn to order, prepare, and serve food and develop catering and banquet skills. They will prepare meals for other students and local senior citizens. Students demonstrating exceptional ability will spend the second half of the school year on the job in corporate or institutional cafeterias. A final report will be delivered.

CT8313202.
Sex Equity Workshop Training Film on Career and Vocational Opportunities for Urban Youth.
Project Director: Yosha, Patricia
Organization: Equity House, Inc. 630 Oakwood Avenue, Suite 308, West Hartford, CT 06117.
Telephone: (203) 522-7166.
Sponsoring Agency: Connecticut State Dept. of Education, Hartford.
Contract/Control No.: CN: 83-2962.
Funding Period: Start Date 01 Jun 82; End Date 30 Jun 83.
Fiscal Year Funding: $45,160.
Descriptors: Females. Films. Minority-Groups. Modules. Nontraditional-Occupations. Sex-Fairness. Training-Methods. Workshops.
Identifiers: State. Proposal.

A sex equity training module will be developed which contains a training film and workshop activities. Training will be aimed at teachers, counselors, parents, and students and will encourage female and minority enrollment in nontraditional vocational courses. Following research activities, the film and workshop activities will be produced and field-tested. Both elements will address (1) the problems of sex-role stereotyping and racism; (2) societal patterns that inhibit student entry into nontraditional occupational roles; (3) changing workforce patterns; and (4) economic and psychological benefits of nontraditional occupations. Workshop materials and a final report will be delivered.

CT8313203.
Cooperative Project Eyelet Industry.
Project Director: Spagnola, Eugene F.
Organization: Waterbury Department of Education Vocational Education Office, 201 Birch Street, Waterbury, CT 06704.
Telephone: (203) 574-8027.
Sponsoring Agency: Connecticut State Dept. of Education, Hartford.
Contract/Control No.: CN: 83-2922.
Fiscal Year Funding: $16,900.
Descriptors: Cooperative-Programs. Disadvantaged-Youth. Industrial-Arts. Job-Training. Machine-Tool-Operators. Machine-Tools. Manufacturing-Industry. Minority-Group-Children. On-The-Job-Training. Work-Experience-Programs.
Identifiers: State. Proposal.

In a collaborative arrangement among local unions, manufacturers, industry associations, and public high schools, twenty minority and disadvantaged youths will receive training in the use of an eyelet machine. Equipment will be provided by the employer. Class instruction for six months will be followed by nine months of on-the-job training at employer-based work sites. Job placement will be provided, and a final report will be delivered.

CT8313204.
Diversified Health Facility Careers Program.
Project Director: Vitelli, Eugene
Organization: 21 Wooster Place, New Haven, CT 06511.
Telephone: (203) 777-5994.
Sponsoring Agency: Connecticut State Dept. of Education, Hartford.

Contract/Control No.: CN: 83-2927.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $30,000.
Descriptors: Allied-Health-Occupations-Education. Job-Placement. Minority-Group-Children. School-Business-Relationship. Work-Experience-Programs.
Identifiers: State. Proposal.

Forty minority students, selected in accordance with diversified labor market needs and with the demographic breakdown of the high school population, will receive 200 hours of training at a private health care facility and 6,000 hours of related classroom instruction. Students will be selected by a screening committee from those who have expressed interest and show potential. The curriculum will be supplemented with concentrated instruction in related occupational areas. The program and student achievement will be evaluated periodically to eliminate unnecessary training. Nontraditional occupations and sexual equality will be encouraged. If 70 percent of the participants receive nonsubsidized employment, the program will be considered a success. A final report will be delivered.

CT8313205.
Career Appraisals.
Project Director: Giordano, James
Organization: New London Board of Education New London High School, 134 Williams Street, New London, CT 06320.
Telephone: (203) 447-3231.
Sponsoring Agency: Connecticut State Dept. of Education, Hartford.
Contract/Control No.: CN: 83-2937.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $25,000.
Descriptors: Career-Counseling. Career-Exploration. Disadvantaged-Youth. On-The-Job-Training. Work-Experience-Programs.
Identifiers: State. Proposal.

The Career Appraisal Program is a joint effort of the school district and the business community to give disadvantaged minority students an opportunity to explore the world of work and develop job skills. Forty high school seniors will receive occupational counseling, including career assessment, career awareness, and job preparedness classroom activities, for one semester. For the second semester, they will be placed in on-the-job training. Students will receive high school credit for both semesters. It is expected that 60 percent of the students will be placed on jobs by the end of the school year.

CT8313206.
Job Links.
Project Director: King, Gary; Mercer, Nancy
Organization: Board of Higher Education 61 Woodland Street, Hartford, CT 06105.
Telephone: (203) 566-2502.
Sponsoring Agency: Connecticut State Dept. of Education, Hartford.
Contract/Control No.: CN: 83-0434.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $29,950.
Descriptors: Career-Choice. Counseling-Services. Decision-Making. Job-Placement. Labor-Market. Networks. Regional-Programs.
Identifiers: State. Proposal.

A regional network of job placement, counseling, and support agencies, focusing on vocational education graduates and targeting the Hartford and New Britain labor markets, will be created. A brochure will be published listing job placement services. A training program of three, two-day workshops for counselors and vocational education teachers will be developed. Linkages among service providers will be established by dissemination of project publications and use of State Occupational Information Coordinating Committee (SOICC)/EEIC as the clearinghouse. Also, a conference for educational and business personnel will be conducted and an evaluation component created. A final report, the brochure, and the conference model and program will be delivered.

CT8313207.
Vocational Improvement Practices (VIP).
Project Director: Nolte, Robert W.
Organization: RESCUE Goshen Road, Litchfield, CT 06759.
Telephone: (203) 567-0863.
Sponsoring Agency: Connecticut State Dept. of Education, Hartford.
Funding Period: Start Date 02 Feb 83; End Date 30 Jun 83.
Fiscal Year Funding: $20,000.
Descriptors: Educational-Practices. Educational-Trends. Grants. Publications.
Identifiers: State. Proposal.

Grant payments to local or regional school districts will be processed for participation in VIP workshops or site visits, arranged through the State Department of Education, Division of Vocational Education, Bureau of Vocational Planning and Program Development (DVAE/BVPPD). Also, assistance will be provided to DVAE/BVPPD in compiling and producing the 1983 promising practices publication. VIP nominations will be screened and evaluation forms prepared for the review committee; a list of recommended practices will be prepared; and abstracts of the practices will be prepared for verification by nominees. The final publication then will be prepared for printing. Five hundred copies will be delivered.

CT8313208.
Implementation of a Vocational/Career Education Consortium.
Project Director: Grzymkowski, Virginia J.
Organization: Area Cooperative Educational Services 205 Skiff Street, Hamden, CT 06517.
Telephone: (203) 349-3444.
Sponsoring Agency: Connecticut State Dept. of Education, Hartford.
Funding Period: Start Date 24 Jan 83; End Date 20 Jun 83.
Fiscal Year Funding: $12,000.
Descriptors: Consortia. Institutional-Cooperation. Pilot-Projects. Program-Development.
Identifiers: State. Proposal.

A pilot program will be conducted for students in grades 10-12 to demonstrate cooperative planning and implementation of a consortium approach to respond to state mandates for career education programs, increase the number of vocational opportunities for secondary students, and offer quality educational programs despite enrollment decline. Through the Middlesex Consortium, in which each student will take one vocational course and one academic course in the host school, vocational opportunities for students will be expanded by offering programs that cannot be offered in their home schools and by increasing their preparation beyond the entry level. Duplication of services and resources among the schools will be avoided. To establish the consortium, project staff will identify strong career and academic programs in each system which can be shared and scheduled; identify, recruit, and select students in accordance with criteria established by the consortium schools; institute a cost efficient transportation program; and develop resolutions for scheduling logistics, future grading and course requirements, disciplinary procedures, attendance procedures and policies, and the numbers of students that can be involved effectively. The program will be evaluated through a questionnaire administered at the middle and at the end of the semester. Plans, strategies, and necessary philosophical, educational, and financial components will be developed for expanding the consortium to other academic areas and to include grades K-12.

Curriculum Development (Sec. 133)

CT8313301.
Program for Regional Implementation of Consumer Education (PRICE).
Project Director: Ellis, Nancy
Organization: Regional Education Services Concept through United Effort RR2, Goshen Road, Litchfield, CT 06759.
Telephone: (203) 567-0863.
Sponsoring Agency: Connecticut State Dept. of Education, Hartford.
Contract/Control No.: CN: 83-2980.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $7,825.

Descriptors: Consumer-Education. Cooperative-Programs. Fused-Curriculum. Inservice-Teacher-Education. Instructional-Materials. Staff-Development.

Identifiers: State. Proposal.

RESCUE and local educational agencies in northwestern Connecticut will collaborate to implement a local consumer education program for grades K-Adult. A consumer education curriculum council will be established. Project staff will conduct research on consumer-related curriculum materials, develop an infused curriculum, pilot test consumer education activities, and provide staff development and inservice training on program implementation. A final report will be delivered.

CT8313302.

Business and Office Resource Center.

Project Director: McCormick, Marie

Organization: Stratford School System 1000 East Broadway, Stratford, CT 06497.

Telephone: (203) 385-4222.

Sponsoring Agency: Connecticut State Dept. of Education, Hartford.

Contract/Control No.: CN: 83-3389.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,000.

Descriptors: Business-Education. Business-Education-Teachers. Information-Dissemination. Marketing. Office-Occupations-Education. Resource-Centers.

Identifiers: State. Proposal.

A resource consultant will operate a business and office resource center to increase professional knowledge, improve teaching techniques, and disseminate information about the teaching of business and marketing. Instructional materials and supplies and professional literature will be made available to teachers; newsletters will notify business and marketing teachers of the program; and a resource area will be available for staff to meet and plan activities. A final report will be delivered.

CT8313303.

Cooperative Work Experience/Diversified Occupations Resource Center.

Project Director: Henshall, John H.

Organization: Norwalk Board of Education 105 Main Street, Norwalk, CT 06851.

Telephone: (203) 847-0481.

Sponsoring Agency: Connecticut State Dept. of Education, Hartford.

Contract/Control No.: CN: 83-3404.

Funding Period: Start Date 01 Sep 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,000.

Descriptors: Cooperative-Programs. Information-Dissemination. Instructional-Materials. Resource-Centers. Work-Experience-Programs.

Identifiers: State. Proposal. *Diversified Occupations Programs.

A resource center will be available for distributing professional literature and instructional aids and materials to teachers for their use in strengthening cooperative work experience and diversified occupations (CWE/DO) teachers programs. CWE/DO teachers and coordinators will be able to use the room to meet and plan activities. The will be notified of the program through a newsletter and by the CWE/DO Leadership Council. A final report will be delivered.

CT8313304.

Curriculum Development for Connecticut Vocational-Technical School System.

Project Director: Salerno, Charles

Organization: Connecticut State Department of Education 165 Capitol Avenue, Hartford, CT 06106.

Telephone: (203) 566-5201.

Sponsoring Agency: Connecticut State Dept. of Education, Hartford.

Contract/Control No.: CN: 83-901.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $17,500.

Descriptors: Building-Trades. Carpentry. Drafting. Electrical-Occupations. Electronics. Graphic-Arts. Instructional-Materials. Machinery-Industry. Masonry. Surgical-Technicians. Technical-Education. Telephone-Communications-Industry. Trade-and-Industrial-Education. Welding.

Identifiers: State. Proposal. *Shipbuilding.

New and updated curriculum materials in trade training areas will be developed for vocational-technical schools in Connecticut. Materials will include trade theory outlines, progress records, and, for apprentice courses, multiple theory outlines. Drafts will be developed and evaluated by steering committees, vocational schools, the state department of education, and the sex equity consultant. After revision, materials will be printed and distributed. Subject areas will include telephone, advanced electronics, masonry, carpentry, electrical experiments, shipbuilding, welding, construction drafting, graphic communications, electric boat apprentice, machine trades, and surgical technician. Copies of the final product and a final report will be delivered.

CT8313305.

Education/Industrial Collaborative: High Technology Job Research and Curriculum/Training Program Development.

Project Director: Allison, John A.

Organization: Capitol Region Education Council 212 King Phillip Drive, West Hartford, CT 06117.

Telephone: (203) 236-0693.

Sponsoring Agency: Connecticut State Dept. of Education, Hartford.

Contract/Control No.: CN: 83-0621.

Funding Period: Start Date 15 Nov 82; End Date 30 Sep 83.

Fiscal Year Funding: $20,000.

Descriptors: Cooperation. Job-Training. Social-Business-Relationship. Technological-Advancement. Technology.

Identifiers: State. Proposal. *High Technology.

High technology curriculum at the secondary level will be developed to serve as a model of collaboration between education and industry. This program will train students for entry-level jobs in such high technology industries as optics, aerospace, micro-electronics, machining and communications. Project staff will survey and evaluate existing secondary level vocational education curricula which relate to high technology industries. A team from State Technical Colleges will supply research data to correlate with the curriculum evaluation, additional research from the Capitol Region Education Council (CREC), and information obtained from industry and state agencies. After compiling data, CREC will list priority curriculum needs by industry and by occupation and will develop appropriate vocational education curriculum. CREC will also provide cost estimates for teacher inservice training and an interpretation program for students, parents, and teachers focusing on high technology skills and job opportunities. A final report will be delivered.

Delaware

Research (Sec. 131)

DE8313101.
Vocational Data Collection and Follow-up Studies.
Project Director: Wise, Wilmer E.
Organization: Department of Public Instruction PO Box 1402, Dover, DE 19901.
Telephone: (302) 736-4583.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Contract/Control No.: CN: PI-PT/PI-6-82; PI-G9-83.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $13,150.
Descriptors: Data-Collection. Educational-Planning. Graduate-Surveys.
Identifiers: State. Proposal. *Vocational Education Data System.

Support will be provided for two Department of Public Instruction vocational data collection and reporting efforts: the vocational unit computation effort and the federally mandated Vocational Education Data System (VEDS). Data about vocational students, enrollments, and follow-up will be provided to decision makers to enable more informed planning and review of current activities. Specific activities include collecting information and developing the vocational unit reports by school, district, county, and state; conducting secondary school vocational data collection; conducting the followup of the class of 1982, all graduates; developing VEDS staff and financial reports; and submitting VEDS report set to the National Center for Education Statistics.

DE8313102.
Library Information Center.
Project Director: Krueger, Richard L.
Organization: Department of Public Instruction PO Box 1402, Dover, DE 19901.
Telephone: (302) 736-4692.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Contract/Control No.: CN: PI-C-1-83; PI-G-1-83.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $41,000.
Descriptors: Information-Services. Library-Services.
Identifiers: State. Proposal.

Information search and retrieval and distribution services will be provided in support of school improvement initiatives. Staff of the Library Information Center will provide these services in response to the educational information needs of public and nonpublic school educators, employees of the state board of education, staff of postsecondary institutions, and individuals affiliated with education-related organizations and agencies. The center also will provide an array of information, search, reference duplication, and other related services to support the total Department of Public Instruction leadership and service efforts, especially in the areas supported by funds from the Educational Consolidation and Improvement Act, special education, vocational education, and food services. Center staff will summarize and report to each subscriber biannually the amount and types of services provided.

DE8313103.
Time Share.
Project Director: Broyles, Randall L.
Organization: Department of Public Instruction PO Box 1402, Dover, DE 19901.
Telephone: (301) 736-4645.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Contract/Control No.: CN: PI-G-17-81.
Funding Period: Start Date 01 Aug 82; End Date 31 Jul 83.
Fiscal Year Funding: $17,800.
Descriptors: Career-Choice. Career-Counseling. College-Choice. Computer-Oriented-Programs.
Identifiers: State. Proposal.

Programs will be provided to explore data files on colleges and occupations. The programs enable users to select criteria for choosing colleges and occupations. The data base file consists of the following: a four-year college file, a two-year college file; a scholarship and financial aid information file; an occupational information file; a graduate school file; an armed services occupational information file. Printouts showing the amount of use in each district and the way the data files were used will provide evaluation information. The amount of time students used the file and type of information requested will provide quality indicators.

Exemplary and Innovative (Sec. 132)

DE8313201.
Exploring Careers.
Project Director: Koppenhaver, Larry
Organization: Smyrna High School Duck Creek Parkway, Smyrna, DE 19977.
Telephone: (302) 653-8586.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Contract/Control No.: CN: PI-G-7-83.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $2,871.
Descriptors: Career-Exploration. Career-Counseling. Computer-Oriented-Programs.
Identifiers: State. Proposal.

To assist the two counselors at Smyrna High School to serve the needs of 866 students, two computer terminals will be funded from which 420 students can access the program 'Exploring Careers' for six periods during the 1982-83 school year. ('Exploring Careers' is a computer program providing information about interest areas, work groups, and jobs.). Students taking the survey receive an individual interest profile indicating the work groups that best match their interests, abilities, and life experiences. The program is appropriate for secondary students as well as adults.

Curriculum Development (Sec. 133)

DE8313301.
Comprehensive Program of Vocational Education.
Project Director: Pledgie, Thomas K.
Organization: Cape Henlopen School District Nassau, DE 19969.
Telephone: (302) 645-6686.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Contract/Control No.: CN: PI-G-12-83.
Funding Period: Start Date 13 Sep 82; End Date 30 Sep 83.
Fiscal Year Funding: $2,247.
Descriptors: Business-Education. Computer-Assisted-Instruction. Computer-Literacy. Data-Processing. Microcomputers.
Identifiers: State. Proposal.

The vocational curriculum will emphasize using the microcomputer operation and programming to instruct students. The available software will be used to expand and develop computer literacy and provide hands-on experience in applying computers to problems and situations in the business world. The printer and word processing program will expand business education experiences. In addition to data processing, disadvantaged students will have access to computer-assisted instruction (CAI) in basic skills, mathematics, and reading. Currently, the use of CAI is not available; the purchased equipment will be the nucleus of an expanding program. Project staff will select a microcomputer system with expansion capability. With a growing centralized computer network, students will have access to guidance and career information services, remediation for competencies, and certification testing.

DE8313302.
General Office Procedures.
Project Director: McGuinniss, Dan
Organization: Milford Senior High School 1019 North Walnut Street, Milford, DE 19963.
Telephone: (302) 422-9651.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Contract/Control No.: CN: PI-G-30-83.
Funding Period: Start Date 26 Jan 83; End Date 31 Aug 83.
Fiscal Year Funding: $3,370.
Descriptors: Business-Education. Computer-Programs. Computer-Science-Education. Data-Processing. Microcomputers.
Identifiers: State. Proposal.

Microcomputers will be placed in the business department to enhance the employability of eighty-six business education students, including sixteen disadvantaged and fifteen handicapped students. Students will develop proficiency in performing data entry operations; prepare a flow chart or other logical solution for a given set of problem specifications; code from a logic sequence an application program using a business computer language such as Cobal, RPG, or Basic; and properly document programs.

DE8313303.
Prevocational and Vocational Skills for Handicapped and Disadvantaged Students.
Project Director: Davis, Charles G.
Organization: Woodbridge Junior/Senior High School 307 Laws Street, Bridgeville, DE 19933.
Telephone: (302) 337-8296.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Contract/Control No.: CN: PI-G-18-83.
Funding Period: Start Date 20 Sep 82; End Date 31 Aug 83.
Fiscal Year Funding: $1,622.
Descriptors: Agricultural-Education. Career-Guidance. Computer-Assisted-Instruction. Disabilities. Disadvantaged-Youth. Floriculture. Instructional-Materials.
Identifiers: State. Proposal. *Agricultural Sciences.

Improved instruction in agri-science, vocational areas, and career guidance for handicapped and disadvantaged students will be developed through creation of additional instructional materials and equipment. Hands-on experience will be added to the curriculum. Thirty additional handicapped and disadvantaged students will be enrolled in the floriculture program. Students will acquire mathematics and English skills through use of the computer. Career and guidance literature will be provided.

DE8313304.
Computer Assisted Vocational Selection.
Project Director: Higgins, Frank J.
Organization: Margaret S. Sterck School for the Hearing Impaired Chestnut Hill Road and Cherokee Drive, Newark, DE 19713.
Telephone: (302) 454-2246.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Funding Period: Start Date 24 Sep 82; End Date 30 Sep 83.
Fiscal Year Funding: $600.
Descriptors: Career-Choice. Computer-Assisted-Instruction. Computer-Programs. Disadvantaged. Hearing-Impairments. Microcomputers. Special-Education.
Identifiers: State. Proposal. *Apple II.

A computer-assisted vocational selection program will be designed to provide disadvantaged, hearing impaired students of the Sterck School an opportunity to use microcomputers for vocational education instruction. Twenty career areas most interesting to these students will be determined and programs written in language best suited for hearing impaired students. These programs will be entered into the Apple II microcomputer. Sterck School staff and students will attend workshops on the operation of the Apple II microcomputer.

DE8313305.
Prevocational and Vocational Training for Orthopedically Handicapped Students.
Project Director: Halter, Constance A.
Organization: John G. Leach School Landers Lane, Swanwyck, New Castle, DE 19720.
Telephone: (302) 429-4055.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Contract/Control No.: CN: PI-G-11-83.
Funding Period: Start Date 01 Sep 82; End Date 30 Sep 83.
Fiscal Year Funding: $4,941.
Descriptors: Job-Skills. Physical-Disabilities. Prevocational-Education. Skill-Development.
Identifiers: State. Proposal.

A comprehensive prevocational and vocational skills program for orthopedically handicapped youth, ages 12-21, will be developed. The employment potential of higher ability students will be explored, especially in jobs using microcomputers. Lower ability students will be trained for occupations with high turnover rates due to repetitious tasks and low pay. Students will obtain vocational skills, mobility training, and acceptable work behaviors. Homebound students will receive specific training in manual and communication skills.

DE8313306.
Articulation: Development and Implementation of Coordinated Guidance, Training, Placement, Youth Activities, and Follow-up Services among Business, Education and Government Agencies.
Project Director: Constantine, Manera
Organization: State Advisory Council PO Box 1401, Dover, DE 19901.
Telephone: (302) 368-6627.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Contract/Control No.: CN: PI-PT-PI-1-83.
Funding Period: Start Date 01 Jul 82; End Date 30 Sep 83.
Fiscal Year Funding: $4,800.
Descriptors: Agency-Cooperation. Articulation-Education. Consortia. Delivery-Systems. Information-Systems. Institutional-Cooperation.
Identifiers: State. Proposal.

Articulation agreements among the county vocational-technical school districts, Deleware Technical and Community College, and community college and public school districts will be developed among the Employment Service Division, placement offices of the Delaware Technical and Community College, county vocational technical high schools, and career guidance and placement counselors in local school districts to determine yearly placement in the Delaware labor market; follow-up reports will be produced. Strategies by the Department of Labor, the community college system, the area vocational-technical school districts will be developed within the business and industrial sector. A career brochure, monthly student magazine feature, and a survey of student perceptions of training and placement services will be published. A third-party evaluation will be conducted.

DE8313307.
Comprehensive Planning for Prevocational and Vocational Education Programs.
Project Director: Pollock, Andrew M., Jr.
Organization: Middletown High School 504 South Broad Street, Middletown, DE 19709.
Telephone: (302) 378-7780.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Contract/Control No.: PN: PI-G-17-83.
Funding Period: Start Date 21 Oct 82; End Date 30 Sep 83.
Fiscal Year Funding: $2,746.
Descriptors: Career-Choice. Career-Exploration. Career-Guidance.
Identifiers: State. Proposal.

Prevocational and vocational training will be provided to 114 students in agriculture, career guidance and counseling, marketing and distribution and woodshop to help students make appropriate career choices. Vocational training will be provided in each of the program areas to better equip each student with skills needed for employment. Funds will be used to purchase equipment, materials, and supplies.

DE8313308.
Transportation Instructors Workshop.
Project Director: Matz, William A.
Organization: Department of Public Instruction PO Box 1402, Dover, DE 19903.
Telephone: (302) 736-4681.
Sponsoring Agency: Delaware State Dept. of Public Instruction, Dover.
Contract/Control No.: CN: PI-PT PI-12-81.
Funding Period: Start Date 01 Jul 82; End Date 30 Dec 82.
Fiscal Year Funding: $2,250.
Descriptors: Innovation. Teacher-Workshops. Teaching-Methods. Transportation.
Identifiers: State. Proposal.

A workshop will focus on recent developments and procedures in automotive electrical systems and alignment and new refinishing procedures to help instructors stay abreast of innovations in the transportation industry. Participants will incorporate new techniques and procedures into their curricula and will be able to provide up-to-date instruction and learning activities for students in their classes.

Florida

Research (Sec. 131)

FL8313101.
Field-Test Competency-based Vocational Education Student Learning Guides Developed at Ridge Vocational-Technical Center (Continuation).
Project Director: Andreyka, Robert
Organization: University of South Florida 4202 Fowler Avenue, Tampa, FL 33620.
Telephone: (813) 974-2011.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: USF 2-1C12; USF 3-1C11.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $40,000.
Descriptors: Competency-Based-Education. Field-Tests. Instructional-Materials. Learning-Modules.
Identifiers: State. Proposal.

Competency-based vocational education (CBVE) curriculum materials developed at Ridge Vocational-Technical Center (RVTC) will be field-tested in schools selected from the five vocational education regions. Field test evaluation instruments used in 1981-82 will be revised. Task listings will be verified, and selected student learning guides from six RVTC programs will be adapted to the curricula of programs at field test sites. A CBVE orientation workshop will be held for project participants. Results and suggestions from the field tests will be disseminated.

FL8313102.
Catalog of Innovations.
Project Director: Lathrop, Robert
Organization: Center for Studies in Vocational Education 2003 Apalachee Parkway, Tallahassee, FL 32306.
Telephone: (904) 644-2440.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: FSU 2-1D14; FSU 3-1D11.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $9,000.
Descriptors: Educational-Innovation. Field-Interviews. Periodicals. Photographs. Program-Descriptions.
Identifiers: State. Proposal.

Information on Florida's innovative vocational programs will be disseminated. Outstanding projects will be visited by a project staff member (1) to verify that the program is innovative; (2) to interview students and staff and, sometimes, employers and take photographs of the program in operation; and (3) to write a feature article or news brief for the 'Florida Vocational Journal.'.

FL8313103.
Job Related Physical Capacity (JRPC) Project VIEW Interface (Continuation).
Project Director: Carter, Andrea
Organization: Leon County Public Schools 2757 West Pensacola Street, Tallahassee, FL 32304.
Telephone: (904) 576-8111.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: LEO 3-1C41.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $30,000.
Descriptors: Computer-Programs. Disabilities. Employment-Opportunities. Guides. Job-Placement. Microcomputers. Occupational-Information. Physical-Mobility. Reference-Services.
Identifiers: State. Proposal.

The aids and accommodations manual will be brought up to date. This will improve the placement rate of handicapped persons since employers and clients will have detailed physical capabilities information including aids and accommodations that are needed. Additional occupational descriptions will be added to the 115 already developed. Project staff will interview employees and job developers to determine the appropriate physical requirement of an occupation, and a microcomputer program to access the occupations will be added to the system. Materials will be pilot tested in area high schools, vocational centers, work evaluation units, and vocational rehabilitation sites to determine best use of materials. Products will be made available for use with other career information materials.

FL8313104.
Computerized Management Systems for Competency-based Curriculum (Continuation).
Project Director: Ross, James H.
Organization: Pinellas County Schools 1960 East Druid Road, Clearwater, FL 33518.
Telephone: (813) 442-1171.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: 3-3C11.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $15,949.
Descriptors: Academic-Achievement. Competency-Based-Education. Computer-Oriented-Programs. Data-Processing. Individualized-Programs. Information-Retrieval. Management-Systems.
Identifiers: State. Proposal. *Open Entry Open Exit.

A computerized data management system will be developed to collect, assimilate, and retrieve data reflecting the progress of students in a competency-based, individualized, open entry/exit system. It also will aid in program management. Developed programs will be field-tested. Various data collection methods will be evaluated and field-tested. Data provided through computer programs, module completion data, and computer-produced transcripts also will be field-tested. A programmer and a data entry clerk will be employed to work with instructors in identifying, coding, and reporting specific information. The program will be evaluated by evidence of accuracy in the flow of data into and out of the computer. Project results will be delivered.

FL8313105.
Context Evaluation and Status Study of Vocational Education in Florida (Continuation).
Project Director: Stakenas, Robert C.
Organization: Florida State University Learning Systems Institute, Tallahassee, FL 32306.
Telephone: (904) 644-6435.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: 2-2C12; 3-2C11.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $49,446.
Descriptors: Administrator-Role. Competency-Based-Education. Educational-History. Interviews. Policy-Formation. Program-Development. Vocational-Education-Teachers.
Identifiers: State. Proposal.

Data collected from records, reports, archival materials, and personal interviews with vocational educators will be analyzed, synthesized, and integrated into a report to provide historical narrative of the development of vocational education in Florida from 1822 to the present. Also, the status and compatibility of selected competency-based education projects will be determined. Results will aid in policy planning and will provide an understanding of the historical influences which have shaped program determination processes and of changes in roles of state and local administrators. Reports and materials on competency-based education will be reviewed and published in a report along with recommendations for possible dissemination of competency-based vocational education on a statewide basis. All resulting reports will be disseminated.

FL8313106.

Comprehensive Planning for Competency-based Vocational Education (CBVE) Implementation in Florida's Teacher Education Component.

Project Director: Fardig, Glen

Organization: University of Central Florida Alafaya Trail, PO Box 25000, Orlando, FL 32816.

Telephone: (305) 275-0111.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: UCF 3-2C21.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $8,500.

Descriptors: Competency-Based-Education. Competency-Based-Teacher-Education. Inservice-Teacher-Education. Preservice-Teacher-Education. Teacher-Educators.

Identifiers: State. Proposal.

A comprehensive plan for the teacher education component of Florida's competency-based vocational education program will be developed, including preservice and inservice activities. A committee composed of teacher educators from Florida universities will meet to assemble the input, consider constituent reaction, and provide for development of the plan.

FL8313107.

Third Party Evaluation of the Vocational Information Materials Acquisition System (VIMAS).

Project Director: Fardig, Glen; Lange, Robert

Organization: University of Central Florida UCF, Alafaya Trail, PO Box 25000, Orlando, FL 32816.

Telephone: (305) 275-9101.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: UCF 3-2C22.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $14,276.

Descriptors: Competency-Based-Education. Cost-Effectiveness. Curriculum. Instructional-Materials. Program-Effectiveness. Program-Evaluation.

Identifiers: State. Proposal. *Vocational Information Materials Acquisitions System.

A third-party evaluation of the Vocational Information Materials Acquisition Systems will be conducted to determine the system's effectiveness. The evaluation will study the quality of competency-based curriculum and instructional materials, the curriculum and instructional materials, strengths and weaknesses of the system, and criteria for selection of advisory committee members. The evaluation will be included in the final report to the Division of Vocational Education.

FL8313108.

Electronic Technicians in Broward County—A Local Needs Assessment.

Project Director: Dickinson, Winnie

Organization: Broward County School Board PO Box 5408, Ft. Lauderdale, FL 33310.

Telephone: (305) 524-8006.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: BRO 3-1C11.

Funding Period: Start Date 01 Feb 83; End Date 30 Jun 83.

Fiscal Year Funding: $6,960.

Descriptors: Electronics. Electronic-Technicians. Employment-Projects. Needs-Assessment.

Identifiers: State. Proposal.

A valuable, reliable needs assessment will be developed to discover the requirements of Broward County electronic firms for electronics technicians.

FL8313109.

Diffusion Network Model.

Project Director: Paugh, Robert

Organization: University of Central Florida Alafaya Trail, PO Box 25000, Orlando, FL 32816.

Telephone: (305) 275-9101.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: UCF 3-3C21.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $30,850.

Descriptors: Diffusion. Models. Networks.

Identifiers: State. Proposal.

To develop the model, project staff will identify program areas needing diffusion of materials and describe model components that are teacher educator/trainer centered. Two products to be diffused will be selected for a pilot test, using two networks. In-depth training on the model will be conducted. Practical application of the diffusion materials via a network will be evaluated.

FL8313110.

Distribution, Recordkeeping, and Storage of Center for Studies in Vocational Education Instructional Products.

Project Director: Lathrop, Robert L.

Organization: Center for Studies in Vocational Education, Florida State University 2003 Appalachee Parkway, Tallahassee, FL 32301.

Telephone: (904) 644-2440.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: FSU 3-2C23.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $30,833.

Descriptors: Equipment-Storage. Instructional-Materials. Marketing. Recordkeeping.

Identifiers: State. Proposal. *Inventory Control.

A method for insuring the secure, protected storage; prompt shipment to clients; and appropriate inventory and records control of all Center for Studies in Vocational Education and Department of Vocational Education instructional products will be developed.

FL8313111.

Development and Testing of Decision Rules for Selecting among Alternative Vocational Education Programs (Continuation).

Project Director: Kaufman, Roger

Organization: Center for Needs Assessment and Planning Florida State University, Tallahassee, FL 32306.

Telephone: (904) 644-6435.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: FSU 3-1C15.

Funding Period: Start Date 01 Sep 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,500.

Descriptors: Career-Guidance. Criteria. Decision-Making. Position-Papers. Questionnaires.

Identifiers: State. Proposal. *Rules And Regulations. *Self Sufficiency.

A narrative on how to use the decision rules for selecting among alternative vocational education programs at local and state levels will be written. Sample data on decision making criteria and current and future student data on self-sufficiency levels will be collected. Two questionnaires, on decision making and on quality of life, will be developed and implemented. Finally, the decision rules will be developed and tested and the narrative written.

FL8313112.

Provisions for Research Assistant.

Project Director: Thomas, Hollie B.

Organization: Florida State University Department of Education, Room 115, Stone Building, Tallahassee, FL 32306.

Telephone: (904) 644-6298.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: FSU 2-1C16; FSU 3-1C11.

Funding Period: Start Date 01 Jul 82; End Date 30 Jul 83.

Fiscal Year Funding: $23,900.

Descriptors: Research-Assistants. Technical-Assistance.

Identifiers: State. Proposal.

A research assistant will be hired to provide technical assistance to the Division of Vocational Education. This person will assist in determining needs and priorities for research, evaluating and recommending proposals, monitoring funded projects, coordinating dissemination and evaluation, participating in regional and national planning and research, directing research activities of graduate assistants, developing materials to help extend vocational education opportunities to the private sector, and drafting position papers regarding individualized competency-based vocational education in Florida.

FL8313113.

Special Studies for Vocational Education (Continuation).

Project Director: Thomas, Hollie B.

Organization: Florida State University Department of Educational Leadership, Room 115, Stone Building, Tallahassee, FL 32306.

Telephone: (904) 644-6298.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: FSU 2-1C18; FSU 3-1C13.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $42,700.

Descriptors: Consultation-Programs. Research-Projects. State-Programs.

Identifiers: State. Proposal.

Statewide efforts to improve vocational education research and curriculum development will be coordinated and supported. Consultative services will be obtained to examine the possibility of expanding benefits of vocational programs and courses to students, educators, and the general public. Staff also will assist in the dissemination of field-test instruments and final reports and products and will provide for a planning component for the vocational division that will focus on organizational direction.

FL8313114.

Provisions for Consultative Research Associate for Vocational Education (Continuation).

Project Director: Hinely, Hugh

Organization: Florida State University Room 113, Stone Building, Department of Educational Leadership, Tallahassee, FL 32306.

Telephone: (904) 644-6029.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: FSU 2-1C17; FSU 3-1C12.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $66,200.

Descriptors: Program-Administration. Research-Assistants.

Identifiers: State. Proposal.

The position of consultative research associate will be continued. This person will (1) serve as section administrator of research, exemplary, and curriculum programs; (2) coordinate, consult, and monitor research, exemplary, and curriculum development projects now being conducted; (3) coordinate dissemination of field-test instruments and final research reports and products; (4) coordinate activities among research, program development, curriculum, and acquisition of teaching aids; and (5) act as liaison between the Bureau of Vocational Research, Dissemination and Evaluation at the Center for Studies in Vocational Education. A final report of project activities will be delivered.

FL8313115.

Identification of Strategies To Increase Retention of Disadvantaged Students in Nontraditional Programs in Florida.

Project Director: Thomas, Hollie B.

Organization: Florida State University Room 116, Stone Building, Tallahassee, FL 32306.

Telephone: (904) 644-6298.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: FSU 2-2C31.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $27,000.

Descriptors: Disadvantaged. Guides. Nontraditional-Education. School-Holding-Power. Sex-Fairness.

Identifiers: State. Proposal.

An observation guide will be produced which describes the successful practices and strategies for increasing retention of disadvantaged students in nontraditional programs in Florida. A literature review will be conducted to identify sex fair retention strategies for this group. Data will be analyzed to identify Florida institutions with the highest retention rates for disadvantaged students in nontraditional programs. Then, through onsite visits, those strategies that have the greatest potential for success will be determined.

FL8313116.

Development of a Model for the Establishment of Program and Facility Standards for Competency-based Education and Competency-based Technical Education.

Project Director: Thomas, Hollie B.

Organization: Florida State University Room 116, Stone Building, Tallahassee, FL 32306.

Telephone: (904) 644-6298.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: FSU 3-1C41.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,202.

Descriptors: Competency-Based-Education. Facility-Requirements. Field-Tests. Models. Standards. Technical-Education. Time-Factors.

Identifiers: State. Proposal. *Open Entry Open Exit.

The final field test of the previously developed model will be conducted. The field test will determine whether the model provides a component needed to convert a time-based educational system into a competency-based program that may be open entry/open exit.

Exemplary and Innovative (Sec. 132)

FL8313201.

Identification of Recruitment Barriers to Vocational Training Program Perceived by Students, Teachers, Counselors, and Administrators in Selected Florida Schools.

Project Director: Beeman, Carl E.

Organization: University of Florida Department of Agricultural and Extension Education, Gainesville, FL 32611.

Telephone: (904) 622-0503.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: UF 2-2D31; UF 3-2D21.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $20,000.

Descriptors: Dropout-Characteristics. Dropout-Prevention. Dropout-Research. Opinions. School-Holding-Power. Student-Attrition. Student-Recruitment. Vocational-Schools.

Identifiers: State. Proposal.

Methods will be identified to overcome the barriers to retention of students in vocational programs, and student recruitment strategies that address specific barriers will be developed. A model for implementing these strategies then will be designed. A random sample of postsecondary area vocational schools will be studied using open and closed-form questionnaires, which will be developed, field-tested, and refined. Vocational school directors will be interviewed via phone and/or mail surveys. Successful recruitment efforts will be reviewed through site visits. Data will be analyzed and synthesized. Project results will be disseminated.

FL8313202.

Competency-based Vocational Education (CBVE) Adoption Process.

Project Director: Capp, Laura

Organization: Seminole Community College Sanford, FL 32771.

Telephone: (305) 323-1450.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: SEM 3-2D21.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $3,000.

Descriptors: Adoption-Ideas. Audiotape. Community-Colleges. Competency-Based-Education. Documentation. Participative-Decision-Making. Slides.
Identifiers: State. Proposal.

The participatory process to be used in adopting competency-based vocational education in a community college setting will be documented by means of printed materials and a slide tape presentation.

FL8313203.
Perceived Barriers to High Paying Occupations Identified by Disadvantaged Students.

Project Director: Maurice, Clyde
Organization: Florida State University Room 113, Stone Building, Tallahassee, FL 32306.
Telephone: (904) 644-6029.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: FSU 3-2D31.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $19,923.
Descriptors: Disadvantaged. Employment-Level. Occupational-Aspiration. Perception.
Identifiers: State. Proposal.

A literature review will be conducted to understand the low job aspirations of disadvantaged students. Then, a sample of students and their parents will be surveyed to identify reasons for low job expectations/aspirations and perceived barriers to high paying occupations. A hold-out sample and a panel of experts will validate the list of perceived barriers. After a data analysis, a refined set of barriers will be formulated and described.

FL8313204.
Identification of Mathematics and Science Competencies Required in Occupations within Vocational Programs.

Project Director: Hinely, Hugh
Organization: Florida State University Room 113, Stone Building, Tallahassee, FL 32306.
Telephone: (904) 644-6029.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: FSU 3-1D11.
Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.
Fiscal Year Funding: $14,999.
Descriptors: Competence. Guidelines. Inservice-Teacher-Education. Mathematics. Preservice-Teacher-Education. Research-Utilization. Science-Education.
Identifiers: State. Proposal.

The list of math and science skills needed for particular vocational skills will help in the development of realistic curriculum plans for inservice and preservice teacher training. A literature search will be performed to identify areas having no math and science skill listings. Guidelines will be developed describing appropriate means for teachers and administrators to adapt and validate existing lists.

FL8313205.
Identification of Vocational Education Instructional Materials for Use by Handicapped Students.

Project Director: Lombana, Judy
Organization: University of North Florida College of Education and Human Services.
Telephone: (904) 646-2666.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: UNF 3-1D41.
Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.
Fiscal Year Funding: $22,650.
Descriptors: Bibliographies. Disabilities. Instructional-Materials.
Identifiers: State. Proposal.

A bibliography of vocational education materials suitable for handicapped students will be compiled. It will be arranged by subject matter, grade or skill level, and by particular disabilities. This will help students and teachers gain access to special curriculum materials. A comprehensive needs assessment will be conducted, and a list of materials will be compiled in various areas of need as identified by the needs assessment. Areas in which materials for the handicapped are least available will be identified. A literature analysis and needs assessment will identify areas of specific need, solutions, and recommendations for action.

FL8313206.
Follow-up Evaluation Project—MOVE.

Project Director: Delaino, G. Thomas
Organization: Santa Fe Community College Management Information Services, PO Box 1530, Gainesville, FL 32601.
Telephone: (904) 377-5161.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: SFCC 3-2E22.
Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.
Fiscal Year Funding: $28,500.
Descriptors: Academic-Achievement. Behavioral-Objectives. Computer-Oriented-Programs. Data-Analysis. Databases. Data-Collection. Employment-Level. Employment-Qualifications. Information-Retrieval. Microcomputers. Statistical-Analysis. Student-Employment. Student-Evaluation.
Identifiers: State. Proposal.

A comprehensive database with individual record retrieval and update capabilities will be developed. This system, named MOVE, will provide reliable, timely student data to vocational education program managers to help in student evaluations. The system will be adaptable for use by other community colleges and vocational centers. The system will use student employment follow-up data, entry and exit data from students in the program, high school performance data and test scores to establish entry-level skills, and selected program performance standards to establish student success in the program. MOVE will have user friendly menus via UCSD Pascal and a microcomputer for user input/output. Statistical Analysis System (SAS) code will be generated for data manipulation and statistical output. Descriptive statistics will be generated in report form. A model relating job performance to vocational education process and student goals, achievement, and aptitude will be developed.

Curriculum Development (Sec. 133)

FL8313301.
Supplemental Support Services for Industrial Technical Vocational Education Programs.

Project Director: Hill, Raymond
Organization: University of South Florida College of Education, Tampa, FL 33620.
Telephone: (813) 974-2100.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: USF 2-1E11; USF 3-1E11.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $55,037.
Descriptors: Ancillary-School-Services. Course-Descriptions. Evaluation-Criteria. Industrial-Education. Job-Performance. Occupational-Information. Technical-Education. Trade-And-Industrial-Education.
Identifiers: State. Proposal.

Occupational proficiency performance standards in the trade and industrial areas will be revised and updated. Instruments designed will provide for merit achievement documentation and articulation matrix advancement procedures from comprehensive high schools, area vocational-technical centers and community colleges. Program guides will be developed for a minimum of ten trade and industrial areas and will include program or course overview and content, teacher certification and qualification, facility design criteria, and recommended equipment lists.

FL8313302.

Management System for Implementation of District-wide Competency-based Vocational Education.

Project Director: Cobb, Walt

Organization: Orange County Public Schools PO Box 271, Orlando, FL 32802.

Telephone: (305) 422-3200.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: ORA 2-3E11; ORA 3-3E11.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $62,330.

Descriptors: Competency-Based-Education. Computer-Oriented-Programs. Inservice-Education. Management-Systems. Recordkeeping. School-Districts.

Identifiers: State. Proposal.

A system will be developed to manage the implementation of district-wide competency-based vocational education. Competency lists for targeted vocational programs will be identified, compiled, and validated. An instructor's guide will be prepared containing objectives, enablers, and other information. A computerized records management system also will be developed. Inservice training sessions on competency-based vocational education for administrators and teachers will be conducted. Internal staff and a state or university educator will evaluate the project using administrative reviews, interviews, qualitative analysis, personnel needs assessment, and analysis of student follow-up data. The instructor's guide will be disseminated.

FL8313303.

Acquisition of Teaching Aids.

Project Director: Lathrop, Robert

Organization: Florida State University Center for Studies in Vocational Education, Tallahassee, FL 32306.

Telephone: (904) 644-2440.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: FSU 2-2G12; FSU 3-2G12.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,083,000.

Descriptors: Auto-Mechanics. Competency-Based-Education. Instructional-Materials. Laboratories. Personnel-Needs. Technical-Assistance.

Identifiers: State. Proposal.

Centralized service and support functions for vocational education activities will be provided including acquisition of teaching aids for auto mechanics instruction and development of competency-based auto mechanics laboratories. Technical production and dissemination/diffusion support for other vocational education projects will be provided, as well as personnel and expenses to support these activities. Supplementary support will be provided to Florida Educators Information Service, VIMAS, and the Video Instructional Materials Acquisition.

FL8313304.

Florida Educators Information Service.

Project Director: Lathrop, Robert

Organization: Florida State University Center for Studies in Vocational Education, 2003 Apalachee Parkway, Tallahassee, FL 32306.

Telephone: (904) 644-2440.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: FSU 2-1E12; FSU 2-1E11.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $154,000.

Descriptors: Information-Services. Information-Systems. Online-Systems. Reference-Services. Resource-Centers.

Identifiers: State. Proposal.

A nationwide search capability to locate information on vocational education instructional materials, research findings, and evaluation studies will be provided. Vocational educators will be provided assistance in clarifying and describing their resource needs; computerized and manual searches of state and national sources will be conducted to locate resource materials. Educators will be kept informed of the search service's availability. Information packets will be provided free or for a minimal charge. Users will be asked to fill out evaluation forms which will be monitored to revise procedures when needed.

FL8313305.

Follow-up Evaluation Project.

Project Director: Menzel, Marion

Organization: St. Petersburg Junior College PO Box 13489, St. Petersburg, FL 33733.

Telephone: (813) 546-0021.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: SPJC 3-2E21.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $27,500.

Descriptors: Associate-Degrees. Behavioral-Objectives. Certification. Communication-Skills. Computation. Job-Skills. Performance. State-Standards.

Identifiers: State. Proposal.

Performance-based objectives will be developed for occupation programs to ensure that students have the skills necessary to succeed in a program. Performance standards will be established for all occupational programs leading to a certificate or associate degree, and the communication and computational skills that students need to succeed in their work will be identified. The identified standards will be recommended to the board of trustees for adoption, then implemented as requirements. Placement and follow-up studies will be the basis for validating project effectiveness.

FL8313306.

Follow-up Evaluation Project.

Project Director: Allen, W. Carolyn

Organization: Valencia Community College PO Box 3028, Orlando, FL.

Telephone: (305) 299-5000.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: VACC 3-2E21.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $37,630.

Descriptors: Competence. Entry-Workers. Instructional-Materials. Job-Skills. Test-Items.

Identifiers: State. Proposal.

Course competencies and test items will be developed so that course and program outcomes can be defined which are consistent with job entry skills. Instructors will participate in a CAEL workshop, determine entry-level skills, develop program and course competencies, define exit-level skills, determine procedures to evaluate outcomes for a certificate or degree, and prepare program maps for all programs. Follow-up studies will indicate relevancy of the competencies and the level of performance achieved. Curriculum materials will be delivered and made available upon request.

FL8313307.

Follow-up Evaluation Project.

Project Director: Fuller, Jack

Organization: Santa Fe Community College PO Box 1530, 300 NW Eighty-third Street, Gainesville, FL 32602.

Telephone: (904) 377-5161.

Sponsoring Agency: Florida State Dept. of Education, Tallahassee.

Contract/Control No.: CN: SFCC 2-2E21.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $17,500.

Descriptors: Communication-Skills. Community-Colleges. Computation. Guides. Interpersonal-Competence. Performance. Program-Evaluation. Skill-Development.

Identifiers: State. Proposal.

Santa Fe Community College instructors will determine which technical performance capabilities best meet the needs of area employers. Instructors will identify communication, computational, and interpersonal skills needed by students and will develop guides which identify minimum and maximum performance levels. Time limits will be established for completing each performance. Entry- and exit-level skills will be identified. Instructors will conduct a survey to determine deficiencies in the training program. A permanent record will be designed to indicate student levels of performance, an inventory list will be developed for modifying and upgrading the program continually. Project effectiveness will be determined by employer and student feedback and retention rate of vocational students.

FL8313308.
Audiovisual Materials for the Disadvantaged.

Project Director: Downing, Charles L.
Organization: Duval County Public Schools 1701 Prudential Drive, Jacksonville, FL 32207.
Telephone: (904) 390-2040.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: DUV 3-1E31.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $24,945.
Descriptors: Audiovisual-Aids. Audiovisual-Instruction. Disadvantaged-Youth. Films. Job-Training. Scripts. Sex-Fairness.
Identifiers: State. Proposal.

Audiovisual curriculum materials for the disadvantaged will be developed in designated job preparatory program areas. Duval County (Florida) teachers will write scripts and make films depicting model workers in nonstereotyped roles. The finished materials will be evaluated by state department personnel, then produced and disseminated.

FL8313309.
Curriculum Development and Acquisition in Agriculture.

Project Director: Beeman, Carl E.
Organization: University of Florida 305 Rolfs Hall, Gainesville, FL 32611.
Telephone: (904) 622-0503.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: 3-1E11.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $10,000.
Descriptors: Agribusiness. Agricultural-Education. Grounds-Keepers. Horticulture. Instructional-Materials. Learning-Disabilities. Natural-Resources.
Identifiers: State. Proposal.

Instructional and curriculum materials will be developed for the agribusiness and natural resources education programs in Florida. In addition, educational objectives and curriculum materials in the horticulture instructional area will be collected, developed, and assembled with special emphasis in groundskeeping for students with learning handicaps. A search for existing materials will be conducted and appropriate materials acquired. Agribusiness and natural resources instructors will be encouraged to give advice and input to the project. Agriculture teachers will conduct continual evaluation of materials developed or acquired and adapted. Evaluation will be conducted also by department of education personnel and teacher educators prior to final production.

FL8313310.
Supplemental Support Services for Industrial Technical Vocational Education Programs.

Project Director: Hill, Raymond
Organization: University of South Florida Tampa, FL 33620.
Telephone: (803) 974-2100.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: 2-1E11; 3-1E11.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $55,037.
Descriptors: Articulation-Education. Documentation. Evaluation-Criteria. Guides. Program-Development. Technological-Advancement. Trade-And-Industrial-Education.
Identifiers: State. Proposal.

Performance standards in the trade and industrial area will be developed, revised, and updated. Instruments will be designed to provide for merit achievement documentation and articulation matrix advancement procedures from high schools, vocational schools, and community colleges. Program guides in five trade and industrial areas will be developed and will include course overview and content, teacher qualification, facility criteria, and support resources. High technology programs (robotics technology, laser-optics technology, CAD/CAM, computer technology, numerical control technology, and hybrid microelectronics) will be developed and implemented at selected schools, and pamphlets will be produced to inform interested parties of the programs.

FL8313311.
Follow-up Evaluation Project.

Project Director: Fuller, Jack
Organization: Santa Fe Community College PO Box 1530, 300 NW Eighty-third Street, Gainesville, FL 32602.
Telephone: (904) 377-5161.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: SFCC 3-2E21; SFCC 2-2E21.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $17,500.
Descriptors: Community-Colleges. Educational-Needs. Followup-Studies. Program-Evaluation.
Identifiers: State. Proposal.

A follow-up evaluation will be made of a project designed to meet the educational needs of the Santa Fe Community College service area. Evaluation will be determined by (1) feedback from employers and students; (2) student retention rate, especially women, minorities, and the disadvantaged; (3) strength of advisory committees; and (4) better teaching of completing students.

FL8313312.
Follow-up Evaluation Project—Part 2.

Project Director: Moncrief, Russell
Organization: Seminole Community College Sanford, FL 32771.
Telephone: (305) 323-1450.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: SECC 3-2E31.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $38,870.
Descriptors: Competency-Based-Education. Evaluation-Methods. Facility-Utilization-Research. Industry. Job-Analysis. Pacing. Vocational-Followup.
Identifiers: State. Proposal. *Monitoring.

An industry-verified, performance-based, self-paced vocational education system will be developed, implemented, and revised. Industry workers will participate in a structured occupational analysis. Industry experts in job-related equipment, tooling materials, and supplies also will participate in a structured equipment analysis. As a result, an ongoing tracking or monitoring system for vocational student program performance will be developed with a 100 percent student follow-up component incorporated.

FL8313313.
Continuation of Vocational-Technical Education Consortium of States (V-TECS).

Project Director: Martin, Joseph
Organization: College of Education, Florida Agricultural and Mechanical University Gore Education Center, Building B, Tallahassee, FL 32307.
Telephone: (904) 599-3482.
Sponsoring Agency: Florida State Dept. of Education, Tallahassee.
Contract/Control No.: CN: FAMU 3-2E11; FAMU 2-2E11.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $142,800.
Descriptors: Behavioral-Objectives. Catalogs. Competence. Guides. Job-Analysis. Occupational-Surveys.
Identifiers: State. Proposal. *Vocational Technical Education

Consortium States.

The development of catalogs of competencies in selected occupational areas for V-TECS will be continued. Each catalog will be validated by a survey of incumbent workers and will consist of performance objectives, performance guides, and tool and equipment lists. For each catalog, an analysis of the state-of-the-art of the occupation will be conducted. An occupational inventory will be administered and results of the survey analyzed by computer. The catalogs, aimed at secondary and postsecondary learners, will be used as the basis for development of curriculum and instructional materials for learners in vocational education.

Georgia

Research (Sec. 131)

GA8313101.

Third Party Evaluation of the 1982 State Vocational In-Service Conference.

Project Director: Childers, Bob E.

Organization: Southern Association of Colleges and Schools 795 Peachtree Street, NE, Atlanta, GA 30365.

Telephone: (404) 897-6100.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930080.

Funding Period: Start Date 01 Jul 82; End Date 31 Oct 82.

Fiscal Year Funding: $9,890.

Descriptors: Conferences. Inservice-Teacher-Education. Program-Evaluation. State-Programs.

Identifiers: State. Proposal.

An independent third-party evaluation will be made of the 1982 Georgia state vocational inservice conference designed to improve program planning, implementation, evaluation, and revision of instructional programs and services. Information will be collected at random throughout the conference on the participants, topics covered, and professional attitudes. Interview instruments will be developed, and interview data will be analyzed and summarized in a final report. The report also will include an evaluation design and recommendations for future conferences.

GA8313102.

Delivery System for Improving Vocational Students' Ability to Meet High School Graduation Requirements.

Project Director: Robertson, Paul B.

Organization: Dougherty County Board of Education PO Box 1470, Albany, GA.

Telephone: (912) 888-5800.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930125.

Funding Period: Start Date 01 Aug 82; End Date 30 Aug 83.

Fiscal Year Funding: $18,000.

Descriptors: Consumer-Education. Daily-Living-Skills. Graduation-Requirements. High-School-Students. Skill-Development.

Identifiers: State. Proposal.

A consumer will be implemented in forty comprehensive high schools to help vocational education students meet high school graduation requirements. After the forty Georgia schools are selected (ten in each of four state districts) for participation, state and local staff will receive management training and be provided with technical assistance and evaluation services. Students will gain increased skills in consumer education to strengthen their life role skills and help meet graduation requirements. Pre- and posttest data on students will be summarized in the evaluation data. Consumer education modules will be available for purchase.

GA8313103.

Vocational Testing Service for the Assessment of Teacher and Student Competencies.

Project Director: Scott, Paul

Organization: University of Georgia 68 Aderhold Hall, Athens, GA 30602.

Telephone: (404) 542-4592.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930029.

Funding Period: Start Date 01 Jul 82; End Date 31 Aug 83.

Fiscal Year Funding: $64,080.

Descriptors: Minimum-Competency-Testing. Teacher-Certification. Teacher-Evaluation.

Identifiers: State. Proposal.

The central testing service established will serve as a clearinghouse for all National Occupational Competency Testing Institute (NOCTI) functions for certifying vocational teachers who are employed directly from business and industry and have little or no teaching experience or teacher education. Also, the development and field-testing of a model system for student competency testing in secondary and postsecondary schools will be coordinated. Further, a student recordkeeping system will be developed that will identify the competencies acquired for specific educational domains. To accomplish this, project staff will refine and implement procedures for test registration; ordering of materials; identification, recruitment, and training of test administrators; collection and mailing of answer sheets for scoring; and supplying of feedback of scoring data.

GA8313104.

A Workshop Series to Train Vocational Teachers in Mainstreaming Special Needs Students.

Project Director: Gill, Douglas H.

Organization: Specialized Educational Consulting and Contracting, Inc. 141 Tawnyberry Drive, Athens GA 30606.

Telephone: (404) 549-9622.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930139.

Funding Period: Start Date 01 Aug 82; End Date 31 Aug 83.

Fiscal Year Funding: $18,400.

Descriptors: Inservice-Teacher-Education. Mainstreaming. Teacher-Workshops.

Identifiers: State. Proposal. *Special Needs Students.

Teachers will be identified and recruited for six three-week workshops with at least fifty hours of classroom contact hours. State guidelines and materials will be provided to the teachers, who will be instructed through lectures, demonstrations, discussions, and hands-on activities. Participants will (1) be able to demonstrate specific teaching-learning strategies for use with special needs students; (2) learn to use state curriculum guides; (3) learn to expand, develop, and evaluate instructional materials to accommodate individual learner differences; (4) identify and apply specific teaching techniques for a variety of instructional problems in such areas as reading, math, safety, etc.; (5) learn to use support services effectively; and (6) develop functional and efficient lesson plans. Evaluations will be conducted at the conclusion of each week, and final evaluations for each workshop will be compiled for the project officer.

GA8313105.

Admissions Follow-on Project.

Project Director: Jacobs, Dan

Organization: Associated Educational Consultants, Inc. North Allegheny Office and Research Park, McKnight and Pine Creek Roads, PO Box 15073, Pittsburgh, PA, 15237.

Telephone: (412) 931-2244.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930151.

Funding Period: Start Date 02 Aug 82; End Date 30 Aug 83.

Fiscal Year Funding: $22,205.

Descriptors: Admissions-Counseling. Correlation. Matrices. Post-High-School-Guidance. Predictive-Measurement. Predictive-Validity.

Identifiers: State. Proposal. *Career Planning Program.

The matrix of multiple correlations for predicting success from the Career Planning Program (CPP) ability measures will be completed. Data collection efforts will be updated and refined in order to evaluate the prediction potentials for each program in thirteen pilot schools, yielding a more complete admissions testing process for all postsecondary vocational programs offered by the area vocational-technical school and junior colleges. Norms and other statistics, including the prediction scales, in the testing guide will be updated, and a procedure will be defined to validate the prediction scales, using job success as the criterion measure. Enrollment information will be collected for students in the original pilot group who were administered the CPP but who did not enroll or did not complete one quarter of work prior to January, 1982, and for applicants tested between October, 1981 and October, 1982. Analyses then will be conducted and correlations determined.

GA8313106.

Occupational Proficiency Training (OPT) Programs.

Project Director: Stripling, Charles
Organization: Mitchell County Board of Education PO Box 588, Courthouse, Broard Street, Camilla, GA 31730.
Telephone: (912) 336-7466.
Sponsoring Agency: Georgia State Dept. of Education, Atlanta.
Contract/Control No.: CN: 930153.
Funding Period: Start Date 15 Aug 82; End Date 31 Aug 83.
Fiscal Year Funding: $20,000.
Descriptors: Basic-Skills. Dropout-Prevention. Job-Skills. Remedial-Programs. School-Attitudes. School-Holding-Power.
Identifiers: State. Proposal.

In a four-year, competency-based high school curriculum, students 14 years old and two years behind grade level will be identified for placement, specialized vocational training designed to increase basic mathematics and communications skills in addition to other class work will be provided, and the impact of instruction on student performance will be evaluated. Fourth year students will be placed in work situations. A fifth year of school will be provided for earning a high school diploma. Emphasizing the attainment of basic skills while providing an opportunity to learn occupational skills, the program will decrease the dropout rate and improve average daily attendance and attitudes toward school. Teachers will help their students improve their self-concepts. A visiting committee selected by the state department of education will conduct an in-depth review of the process, content, and progress of the program. The Valdosta State College curriculum committee will evaluate teaching techniques and progress. Interim reports and a final report will be delivered, providing a model for other school districts.

Exemplary and Innovative (Sec. 132)

GA8313202.

One-quarter Courses in High Technology Areas.

Project Director: Fowler, Harmon R.
Organization: Georgia State University Vocational and Career Development, University Plaza, Atlanta, GA 30303.
Telephone: (404) 658-2500.
Sponsoring Agency: Georgia State Dept. of Education, Atlanta.
Contract/Control No.: CN: 930654.
Funding Period: Start Date 01 Feb 83; End Date 01 Apr 84.
Fiscal Year Funding: $24,935.
Descriptors: Curriculum-Guides. Manufacturing.
Identifiers: State. Proposal.

Georgia State University will supply materials and conduct four one-quarter courses in automated manufacturing processes. The courses will be compatible with the preliminary curriculum planning guide for high technology programs in Georgia's area vocational-technical schools. Materials developed will be used to train additional teachers in high technology areas as needed. The courses will be monitored by state staff.

Curriculum Development (Sec. 133)

GA8313301.

Membership in American Association for Vocational Instructional Materials (AAVIM).

Project Director: Parady, Harold
Organization: American Association for Vocational Instructional Materials Engineering Center, Athens, GA 30602.
Telephone: (404) 542-2586.
Sponsoring Agency: Georgia State Dept. of Education, Atlanta.
Contract/Control No.: CN: 930051.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $3,000.
Descriptors: Instructional-Materials. National-Organizations. Professional-Associations.
Identifiers: State. Proposal.

AAVIM will provide membership to the Georgia State Board of Education, including the right to purchase vocational curriculum materials at a 65 percent discount.

GA8313302.

The Duplication, Loading, Labeling, Boxing and Packaging for Shipment 30 Complete Sets of the Individualized Shorthand Theory Program.

Project Director: BeBelle, Norman
Organization: BeBelle, Inc. 416 West Forty-fifth Street, New York City, NY 10036.
Telephone: (212) 245-8900.
Sponsoring Agency: Georgia State Dept. of Education, Atlanta.
Contract/Control No.: CN: 930083.
Funding Period: Start Date 07 Jul 82; End Date 30 Aug 82.
Fiscal Year Funding: $19,320.
Descriptors: Films. Individualized-Education-Program. Shorthand.
Identifiers: State. Proposal.

Thirty complete film sets of the Individual Shorthand Theory Program will be duplicated, loaded into cartridges, labeled, boxed, and packaged for shipping, in accordance with state requirements. The sets will be delivered to the Office of Vocational Education, Department of Program Improvement.

GA8313305.

Dougherty Consumer Education Curriculum—Dougherty County.

Organization: Dougherty County PO Box 1470, Albany, GA 21703.
Sponsoring Agency: Georgia State Dept. of Education, Atlanta.
Contract/Control No.: CN: 930125.
Funding Period: Start Date 01 Aug 82; End Date 31 Aug 83.
Fiscal Year Funding: $18,000.
Descriptors: Consumer-Education. Daily-Living-Skills. Graduation-Requirements. Money-Management. Program-Implementation.
Identifiers: State. Proposal.

The curriculum will be implemented through comprehensive high schools to provide a viable, cost effective delivery system for improving vocational students' competencies to meet high school graduation requirements in life role skill areas including consumer education and personal finance. The curriculum's sixteen modules, addressing all areas of consumer education and personal finance, can be integrated into business education, home economics, agriculture, diversified cooperative training, marketing, and distributive education, as well as special needs programs. Vocational education teachers will be provided with training and support materials, high school vocational supervisors and selected staff will be prepared to provide leadership and technical assistance to comprehensive high school personnel implementing the program, and evaluation feedback of the program effectiveness will be provided. At least forty complete sets of consumer education modules (one per comprehensive high school) will be available for purchase.

GA8313307.

Design of Preliminary Curricula for High Technology Programs.

Project Director: Fowler, Harmon R.
Organization: Georgia State University Department of Vocational and Career Development, College of Education, University Plaza, Atlanta, GA 30303.
Telephone: (404) 658-2500.
Sponsoring Agency: Georgia State Dept. of Education, Atlanta.
Contract/Control No.: CN: 980582.
Funding Period: Start Date 15 Dec 82; End Date 30 Oct 83.

Fiscal Year Funding: $24,938.

Descriptors: Course-Descriptions. Curriculum-Design. Electromechanical-Technology. Material-Development. Skill-Analysis.

Identifiers: State. Proposal.

Competencies required in mechanical technology, electromechanical technology, and electronic technology will be researched and documented. The sequence of learning experience needed to reach respective competencies then will be enumerated and described. Course outlines for all core technical, math, and physics courses in the electromechanical technology curriculum will be developed with input from advisors representing high technology Georgia industry. Inservice training on the curriculum will be conducted for teachers. In addition to the course outlines, a curriculum design model will be produced including core courses for each technology course by program matrix, recommended quarter schedules, and basic curriculum structure model.

GA8313308.

A Conceptual Model for Assessing Student Performance in Occupational Education Programs.

Project Director: Eddy, Ken.

Organization: Southern Association of Colleges and Schools, Vocational-Technical Education Consortium of States 795 Peachtree Street, NE, Atlanta, GA 30365.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930434.

Funding Period: Start Date 19 Sep 82; End Date 30 Sep 83.

Fiscal Year Funding: $71,500.

Descriptors: Academic-Achievement. Models. Program-Implementation. Student-Evaluation.

Identifiers: State. Proposal.

The model and a system for implementing and managing it will be delivered. A strategic plan for assessing student performance will be selected, adapted, or designed, then applied to a selected occupational program. Evaluative criteria for assessing the usefulness of the model and implementation system will be included. The model and implementation system then will be produced. Instruments and directions for collecting student performance data at the duty and task level will be developed, as well as computer programs to analyze data and produce reports and to retrieve instruments requested. Methods, techniques, and materials for training vocational educators in planning for, using, and interpreting assessment instruments and results will be defined. Finally, the model components and implementation system will be pilot tested using a sample of vocational educators selected on a random stratified basis. Revisions will be made, if necessary.

GA8313309.

Office Simulation Instructional Materials.

Project Director: Fowler, Harmon R.

Organization: Georgia State University University Plaza, Atlanta, GA 30303.

Telephone: (404) 658-2500.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930347.

Funding Period: Start Date 01 Sep 82; End Date 30 Jun 83.

Fiscal Year Funding: $19,539.

Descriptors: Learning-Modules. Materials-Development. Office-Occupations-Education. Simulation.

Identifiers: State. Proposal.

Position simulation packages for general secretary and accounting clerk will be revised and printed for statewide dissemination to postsecondary vocation-technical schools. The packages developed in phase 2 of the office simulation project will be acquired and revised according to results compiled from the field tests. Materials masters and package covers will be redesigned to meet state specifications. Each module delivered will include an employer's manual, an employee's manual, five student materials packages, and one set of cassette tapes.

GA8313310.

Systematic Teaching and Measuring Mathematics (STAMM)—Oconee County.

Organization: Oconee County School Street, Watkinsonville, GA 30677.

Telephone: (404) 769-5130.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930192.

Funding Period: Start Date 01 Sep 82; End Date 30 Sep 83.

Fiscal Year Funding: $18,000.

Descriptors: Core-Curriculum. Information-Dissemination. Program-Implementation. Remedial-Instruction. Remedial-Mathematics. Resources.

Identifiers: State. Proposal. *High Technology. Special Needs Students.

Algebra, trigonometry, calculus, and math analysis courses in the STAMM project will provide resource assistance in the development and implementation of a high technology core curriculum in vocational education; vocational math and applied math courses will provide remediation of entry-level math skills in the career development labs of pilot vocational-technical schools. The STAMM program will be disseminated to identified vocational high schools in the state. Training and technical assistance will be provided to staff of pilot vocational-technical schools and feeder high schools and to teachers of special needs students. Evaluation services on the management processes of implementation and program effectiveness will be provided.

GA8313311.

Vocational Curriculum Task-Linkage for the Marketing and Distributive Education (MDE) Program in Georgia.

Project Director: Jacobs, Dan

Organization: Associated Educational Consultants, Inc. North Allegheny Office and Research Park, McKnight and Pine Creek Roads, PO Box 15073, Pittsburgh, PA 15237.

Telephone: (412) 931-2244.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930193.

Funding Period: Start Date 21 Sep 82; End Date 30 Nov 83.

Fiscal Year Funding: $44,946.

Descriptors: Articulation-Education. Competency-Based-Education. Curriculum-Guides. Distributive-Education. Job-Analysis. Marketing. Occupational-Clusters.

Identifiers: State. Proposal.

The articulated task linkages developed between existing and expanding secondary and postsecondary program models will provide a common format and foundation for additional curriculum development that will use competency-based components. With advice and direction from a review committee consisting of business representatives and secondary and postsecondary coordinators for advertising and display, apparel and accessories, finance and credit, food marketing, food services marketing, general merchandising, hotel/motel/lodging, petroleum marketing, transportation, and wholesaling, project staff will identify the relationship between secondary MDE clusters and postsecondary MDE programs. Student exit points and tasks for eighty-two jobs within the ten clusters will be identified, as well as common or duplicate tasks among the jobs and clusters. The tasks then will be sequenced and organized. Competencies will be verified by local industry resource people and teachers. One curriculum guide for each of the ten occupational clusters will be delivered, in addition to a summary document, and a guide to task analysis for competency-based education in MDE.

GA8313312.

Third Generation Curriculum Guide Covering Specialty Work in Mechanical Engineering Technology.

Organization: University of Georgia College of Education, 628 Aderhold Hall, Athens, GA 30602.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930580.

Funding Period: Start Date 05 Dec 82; End Date 15 Oct 83.

Fiscal Year Funding: $24,550.

Descriptors: Curriculum-Guides. Mechanical-Design-Technicians.

Identifiers: State. Proposal.

The University of Georgia will develop third-generation curriculum guides covering the specialty courses in mechanical engineering technology. All work will be coordinated with the overall high technology curriculum design under concurrent development by Georgia State University. The curriculum will be field-tested by both student and teacher groups and reviewed at the vocational curriculum center. The curriculum guides will be used by high technology teachers in new and emerging fields in all of Georgia's area vocational-technical schools.

GA8313313.

Consumer Education Curriculum Materials.

Organization: Dougherty County Board of Education PO Box 1470, 601 Flint Avenue, Albany, GA 31703.

Telephone: (912) 888-5800.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930227.

Funding Period: Start Date 01 Sep 82; End Date 30 Aug 83.

Fiscal Year Funding: $24,240.

Descriptors: Consumer-Education. Delivery-Systems. Graduation-Requirements. Learning-Modules.

Identifiers: State. Proposal.

A delivery system will be provided for improving vocational education students' competencies in meeting high school graduation requirements. Project staff will revise, edit, and furnish forty sets of the sixteen modules of curriculum materials that are part of the consumer education project. The following sixteen modules will be prepared for printing: Goods and Services, Counting Money, Solving Consumer Problems, Supply and Demand, Savings, Taxation and Government Services, You Are the Boss, Shopping Skills, Economic Principles, Business and Production, Pollution, Energy, Use of Credit, Consumer Protection, Money Management, and Economics and the News. Experienced teachers in each of these grade levels will review the modules. The revised curriculum modules will be delivered to the Office of Vocational Education for dissemination to Dougherty County and other school districts.

GA8313314.

Annual Membership in the Interstate Distributive Education Curriculum Consortium (IDECC).

Organization: IDECC 1564 West First Avenue, Columbus, OH 43212.

Telephone: (614) 486-6708.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930371.

Funding Period: Start Date 01 Sep 82; End Date 30 Jun 83.

Fiscal Year Funding: $4,800.

Descriptors: Consortia. Curriculum-Guides. Distributive-Education.

Identifiers: State. Proposal.

Membership in IDECC will benefit distributive education teachers by providing them with a discount on all curriculum materials purchased from the consortium, as well as complimentary copies of all new products developed by the consortium.

GA8313315.

Skill Update Needs Assessment for Georgia Technical Education Teachers.

Project Director: Fowler, Harmon R.

Organization: Georgia State University, Department of Vocational and Career Development University Plaza, Atlanta, GA 30334.

Telephone: (404) 658-2500.

Sponsoring Agency: Georgia State Dept. of Education, Atlanta.

Contract/Control No.: CN: 930408.

Funding Period: Start Date 15 Oct 82; End Date 30 Apr 83.

Fiscal Year Funding: $23,759.

Descriptors: Faculty-Development. Needs-Assessment. Teacher-Improvement. Vocational-Education-Teachers.

Identifiers: State. Proposal. *High Technology.

The needs of technical education instructors for acquiring knowledge and skill levels consistent with the state-of-the-art in a given technology will be assessed and a model developed for meeting those needs. Teacher deficiencies determined will be compared with requirements of high technology programs. Private sector occupational training capabilities will be inventoried to identify industries willing to assist in updating teachers' skills and knowledge. The model then will be developed for delivering a staff development program through the cooperative efforts of schools and industry. A validated description of technical deficiencies of teachers in electronics, electromechanical, and mechanical programs will be delivered, as well as a final report.

Idaho

Exemplary and Innovative (Sec. 132)

ID8313201.
School-age Parenting Program.
Project Director: Curtis, Dana
Organization: Bonner County School District #82 PO Box 430, Sandpoint, ID 83864.
Telephone: (208) 263-2184.
Sponsoring Agency: Idaho State Dept. of Education, Boise.
Contract/Control No.: CN: E-01-83.
Funding Period: Start Date 01 Aug 82; End Date 30 Jun 83.
Fiscal Year Funding: $12,000.
Descriptors: Child-Caregivers. Child-Development. Communication-Skills. Day-Care-Centers. Decision-Making-Skills. Early-Parenthood. Home-Economics-Skills. Infants. Money-Management. Parent-Education. Skill-Development.
Identifiers: State. Proposal.

A year-long child care program and parenting class will be developed. Child development students will care for the children of school-age parents enrolled in the parenting class. Students in the parenting class will be encouraged to remain in or return to school and will develop skills in homemaking (nutrition, food handling and preparation, sanitation, housekeeping, and clothing care and buying), money management, decision making, communications, and parenting and child care. Students will be recruited for the program and materials and supplies ordered. Volunteers to work in the child care center will be recruited and given tips on teaching childbirth education, self-esteem, stress management, dealing with the father, assertiveness, infant development, and transportation. Final and quarterly reports will be submitted along with curriculum guidelines.

Illinois

Research (Sec. 131)

IL8313101.

Gifted and Talented Students in Vocational Education—A Policy Development Study.

Project Director: Erekson, Thomas

Organization: Northern Illinois University Office for Vocational, Technical and Career Education, Gabel Hall 155, Northern Illinois University, DeKalb, IL 60115.

Telephone: (815) 753-1306.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-13-D-0332-479.

Funding Period: Start Date 16 Aug 82; End Date 30 Jun 83.

Fiscal Year Funding: $10,498.

Descriptors: Academically-Gifted. Career-Development. Decision-Making-Skills. Educational-Policy. Employment-Potential. Job-Skills. Occupational-Information. Policy-Formation. Skill-Development. Talent.

Identifiers: State. Proposal.

An educational policy for gifted and talented students will be developed to provide these students with career development information, job skill training, employability skills, and career decision making skills. A literature review and exploratory research will be performed to determine the role of vocational education in the career development of the gifted and talented. Policy statements will be formulated for recommendation to the state, and a statewide conference will be conducted to disseminate project products. A final report, the policy statement, and progress reports will be delivered.

IL8313102.

Vocational Education's Role(s) in Economic Revitalization.

Project Director: Leach, James A.; Sanders, Carol S.

Organization: University of Illinois 32 Education Building, 1310 South Sixth Street, Champaign, IL 61820.

Telephone: (217) 333-0185.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-13-D-0332-481.

Funding Period: Start Date 15 Aug 82; End Date 30 Jun 83.

Fiscal Year Funding: $36,364.

Descriptors: Economic-Development. Economic-Status. Educational-Cooperation-Educational-Responsibility. School-Business-Relationship. State-Of-The-Art-Reviews.

Identifiers: State. Proposal. *Role Evaluation.

A document will be prepared which defines economic revitalization, assesses its status in Illinois, and identifies vocational education's role in the process. A steering committee of qualified individuals from business, education, and various state agencies will provide input relative to economic revitalization issues, conduct a literature review, and investigate what surveys of commerce and industry have been done in economic revitalization.

IL8313103.

Microcomputer Software for VEDS.

Project Director: Erekson, Thomas

Organization: Northern Illinois University Office for Vocational, Technical and Career Education, Gabel Hall 155, Northern Illinois University, DeKalb, IL 60115.

Telephone: (815) 753-1306.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-23-D-0512-457.

Funding Period: Start Date 01 Jul 82; End Date 31 Aug 82.

Fiscal Year Funding: $8,748.

Descriptors: Computer-Oriented-Programs. Computer-Programs. Data-Collection. Data-Processing. Microcomputers.

Identifiers: State. Proposal.

A software system suitable for use on the Apple, TRS-80 and Commodore microcomputers will be developed for compiling VEDS reports and reimbursement claims. A guide for data collection and entry will be. The software package will be field-tested and introduced to staff at a training workshop. VESCOM Associates will create the software following department specifications.

IL8313104.

A Microcomputer Model for the Illinois Data Reporting System.

Project Director: Huck, John; And Others

Organization: Southern Illinois University-Carbondale Vocational Education Studies, Southern Illinois University, Carbondale, IL 62901.

Telephone: (618) 453-3321.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-23-D-0512-458.

Funding Period: Start Date 01 Jul 82; End Date 31 Aug 82.

Fiscal Year Funding: $8,931.

Descriptors: Computer-Oriented-Programs. Computer-Programs. Data-Processing. Delivery-Systems. Entry-Workers. Job-Skills. Microcomputers. Skill-Development. Student-Evaluation.

Identifiers: State. Proposal.

A data reporting system, for use on the TRS-80 and Commodore microcomputers, will be developed and field-tested. It will be used by local vocational education personnel in delivery of programs to students and in monitoring student achievement of entry-level employment skills. Copies of the field-tested and refined computer programs and documentation and a final report of expenses will be delivered.

IL8313105.

Skills for Adapting to Change, Their Potential Impact, and Suggested Policies for Implementing Them.

Project Director: Daniels, Harry; Karmos, Joseph

Organization: Southern Illinois University-Carbondale Guidance and Educational Psychology, Southern Illinois University, Carbondale, IL 62901.

Telephone: (618) 536-7763.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-13-D-0364-460.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $45,000.

Descriptors: Change. Educational-Policy. Program-Development. Program-Evaluation. Program-Implementation. Skill-Development.

Identifiers: State. Proposal. *Self Directed Skills.

A knowledge base will be established for the development, implementation, evaluation, and revision or renewal of vocational education programs emphasizing self-directed skills for adapting to change. Information that pertains to these skills will be identified, collected, analyzed, and synthesized for use in constructing a policy proposal that will encourage decision-makers at all levels to implement change skills into the curriculum. Information on the role of the family, community, and other social institutions in this implementation also will be gathered in a proposal. All information will be synthesized into a final report.

IL8313106.

Multimedia of Vocational Education Courses: A Study of the Potential to Interface Microprocessor Control for Media Devices.

Project Director: Huck, John; And Others

Organization: Southern Illinois University-Carbondale Vocational Education Studies, Southern Illinois University, Carbondale, IL

62901.

Telephone: (618) 453-3321.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-13-X-1102-464.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $45,217.

Descriptors: Delivery-Systems. Microcomputers. Multimedia-Instruction. Nontraditional-Education. Video-Equipment. Vocational-Education-Teachers.

Identifiers: State. Proposal. *Microprocessors.

Current and potential uses of microprocessors in vocational education in traditional and nontraditional settings will be determined. The potential of interfacing video equipment and microcomputers as a delivery system will be examined as well as the potential of interfacing technology and education for network delivery of vocational education instruction. A transportable model for introducing these systems to teachers also will be developed. A final report will be delivered.

IL8313107.

Fostering Economic Development Through Vocational Education Programs and Services.

Project Director: Brymer, Becky; Hill, Jack

Organization: John A. Logan College Carterville, IL 62918.

Telephone: (618) 985-3741.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-13-X-0213-468.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $19,595.

Descriptors: Attitude-Change. Community-Leaders. Community-Programs. Economic-Development. Rural-Development. Skill-Development.

Identifiers: State. Proposal.

Community leaders will be provided with skills needed to foster economic development and to implement a written plan incorporating the roles of vocational education, government, business, industry, and labor. This will occur in three phases: (1) a motivational conference to break down negative mind-set; (2) nine follow-up sessions covering technology, recruitment of new industry, and expansion of existing industry; and (3) wrap-up conferences, plan preparation, and task force meeting for plan implementation. This process will be documented and made available in the form of a manual. Vocational education will help in this process by developing curriculum and training programs.

IL8313108.

The Development of Strategies and Procedures for Assessing the Generalizable Skills of Students in Secondary Vocational Programs.

Project Director: Kazanas, H. C.; Phelps, L. Allen

Organization: University of Illinois 345 Education Building, 1310 South Sixth Street, Champaign, IL 61820.

Telephone: (217) 333-2325.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-13-X-0222-470.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $33,266.

Descriptors: Academic-Achievement. Educational-Strategies. Evaluation-Methods. Skill-Analysis. Student-Evaluation.

Identifiers: State. Proposal.

A core of generalizable skills necessary to student success in secondary vocational training programs will be identified, and a project-developed survey questionnaire will determine the skills' importance and relevance in training program content. The final report will include (1) documentation of project activities; (2) a literature review; (3) the skills list; (4) the questionnaire; and (5) procedures, strategies, and applications for using generalizable skills in secondary vocational training programs.

IL8313109.

Innovative Vocational Education Delivery System.

Project Director: Scarborough, Jule D.

Organization: Northern Illinois University Department of Industry and Technology, Northern Illinois University, DeKalb, IL 60115.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-13-X-1102-472.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $15,985.

Descriptors: Bus-Transportation. Delivery-Systems. Employment-Potential. Job-Skills. Regional-Schools. School-Buses. Skill-Development. Vocational-Schools.

Identifiers: State. Proposal.

A system for delivering occupational survival skills and employability skills to students on school buses traveling to and from area vocational centers will be developed. Six units from Nelson's 'Methods and Materials for Teaching Occupational Survival Skills' will be adapted to a format compatible with these students' needs. The units will be tested on students from two high schools participating in this transport system. Students will increase their post unit test scores by at least 50 percent over pretest scores. After evaluation of the units, a model for on-bus instruction will be developed and disseminated. Monthly progress reports, a final report, and sets of instructional materials including units and audio tapes will be delivered.

IL8313110.

Marketable Skills Brokering.

Project Director: Davenport, Tom; Irvin, Robert H.

Organization: John A. Logan College Carterville, IL 62918.

Telephone: (618) 985-3741.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-13-D-0212-476.

Funding Period: Start Date 26 Jul 82; End Date 31 May 83.

Fiscal Year Funding: $13,944.

Descriptors: Adult-Learners. Job-Placement. Job-Skills. Skill-Development.

Identifiers: State. Proposal.

A brokering strategy for matching potential employees with jobs in areas of need for which there are no training programs will be designed and piloted. Special needs youth and adults will receive assistance in developing job skills, employers will be provided with trained employees, and a basis will be established for awarding credentials to training completers. Five training areas will be selected from fifteen identified potential areas; trainees and employer-trainers will be recruited. The program will include orientation, individualized training, support instruction and services, placement assistance, and follow-up.

IL8313111.

Linkage for Apprenticeship Training (LAT).

Project Director: Worrell, Everett

Organization: Rockford Area Vocational Center 5125 Thirty-fifth Street, Rockford, IL 61109.

Telephone: (815) 874-6321.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-13-D-1102-478.

Funding Period: Start Date 01 Aug 82; End Date 30 Jun 83.

Fiscal Year Funding: $37,764.

Descriptors: Apprenticeship. Community-Participation. Credits. School-Business-Relationship. Training-Methods.

Identifiers: State. Proposal.

A linkage program in which vocational education high school seniors get both school credit and apprenticeship credit for their time on a job will be developed. This model program will improve relations between education and business and industry. Project staff will be recruited and will develop brochures, a slide presentation, and arrange media exposure for the project. Community leaders will be recruited for participation, and staff will develop related courses. The program will be evaluated, and a project plan and a final report will be delivered.

IL8313112.

Identifying and Infusing Economic Literacy Concepts into the Instructional Program.

Project Director: Johnson, Jerry G.

Organization: 2000 Washington Avenue, Cairo, IL 62914.

Telephone: (618) 734-0199.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-31-13-X-0214-469.

Funding Period: Start Date 01 Aug 82; End Date 30 Jun 83.

Fiscal Year Funding: $29,983.

Descriptors: Economics-Education.

Identifiers: State. Proposal. *Economic Literacy.

Economic literacy concepts of the workplace will be identified and a model developed for infusing them into academic and vocational curriculums. Five pilot schools' curricula will be assessed to determine entry level and reinforcement points for economic literacy skill development. Processes, materials, and resources available to reach economic literacy concepts will be identified, along with groups involved in the identification of such concepts. Technical assistance will be provided to schools involved in the infusion of these concepts. Economic literacy activities, processes, materials, and resources will be developed for vocational student organizations. A final report, including a replicable model of this project, will be delivered.

IL8313113.

The Northern Illinois Management Model for Employment Training and Economic Development.

Project Director: Harris, E. Edward

Organization: Northern Illinois University Office of Business Research, DeKalb, IL 60115.

Telephone: (815) 753-1298.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-33-13-D-0411-483.

Funding Period: Start Date 01 Dec 82; End Date 30 Jun 83.

Fiscal Year Funding: $20,181.

Descriptors: Consortia. Economic-Development. Labor-Force-Development. Postsecondary-Education. School-Business-Relationship.

Identifiers: State. Proposal.

Local and regional economic development personnel and individuals responsible for economic development in educational institutions will participate in orientation and training sessions on effective utilization of labor information in economic development. They, with human resource and economic development agencies, will design and implement a consortium within the seven-county Northern Illinois region that will allow for manageable coordination of many agencies. The consortium will coordinate the design and implementation of educational programs that match human resource needs of business and industry and maximize the resources of business, labor, education, and government. Economic development staff and other key leadership personnel within community colleges, area vocational centers, and secondary schools and school districts will receive comprehensive training in marketing educational services; Elgin, Kiswaukee, Rock Valley, and Waubonsee community colleges will compile a report of activities and projects identified as critical for marketing educational services. Finally, Northern Illinois University will appoint and institutionalize a Presidential Economic Development Commission designed to be responsive to the employment training and technical training needs of business and industry. This commission will provide leadership for the implementation of 1983 goals for vocational, technical, and career education for the Northern Illinois Consortium region and for Northern Illinois University. Twelve copies of a final report including products described will be delivered.

IL8313114.

Illinois Vocational Curriculum Center.

Project Director: Douglass, Rebecca

Organization: Sangamon State University E-22, Springfield, IL 62708.

Telephone: (217) 786-6375.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-31-33-D-0371-437.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $137,594.

Descriptors: Curriculum-Study-Centers. Filing. Information-Centers. Information-Services. Information-Storage. Instructional-Materials.

Identifiers: State. Proposal.

A vocational curriculum center will be established that will provide information resources to help improve Illinois's capabilities and services in regard to vocational curriculum materials. The center will promote efficient use of resources at state and local education agency levels. A system will be developed to allow decision makers to evaluate and utilize curriculum products. Curriculum resources and services related to Department of Adult and Vocational-Technical Education (DAVTE) will be refined and expanded, so that DAVTE staff can better utilize and recommend curriculum resources. Proper maintenance of selected files and project accountability information will be insured. Updated bibliographies, a report of local education agency practices, a slide-tape, a curriculum evaluation instrument, videotapes, and an annual report will be delivered.

IL8313115.

Production and Dissemination of Promotional Materials for Vocational Education at the Local Level.

Project Director: Stromberg, Elden

Organization: ComUnigraph, Inc. 530 South Grand West, Springfield, IL 62704.

Telephone: (217) 544-3737.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-31-33-X-0332-438.

Funding Period: Start Date 08 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $23,740.

Descriptors: Audiotape-Recordings. Communications. Educational-Change. Educational-Planning. Public-Relations. Radio. School-Districts. Television. Videotape-Recordings. Workshops.

Identifiers: State. Proposal. *Public Service Advertising.

A public service announcement (PSA) will be produced that focuses on planning for change. The PSA will be produced in two forms: a thirty-second 3/4' video tape to be disseminated to television broadcast outlets in and around Illinois and a sixty-second 1/4' radio tape to go to radio broadcast outlets. Follow-up monitoring will be conducted through the media representative network. Two regional workshops for local education agencies (LEAs) will be conducted to provide orientation and training in the use of promotional communications materials. An additional presentation will facilitate communications kit dissemination and public relations materials training for LEAs. These products will promote and enhance the image of vocational education and will increase the involvement of LEAs. A final project impact report will be delivered.

IL8313116.

Supervised Occupational Experience Update Workshop for Illinois Vocational Agriculture Instructors.

Project Director: Townsend, Christine

Organization: Agricultural Education Research Unlimited 317 South Bone Drive, Normal, IL 61761.

Telephone: (309) 454-5964.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-31-13-X-0332-463.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $11,750.

Descriptors: Agricultural-Education. Teacher-Workshops.

Identifiers: State. Proposal. *Supervised Occupational Programs. Hands On Experience.

A Supervised Occupational Experience Program (SOEP) workshop will be presented to vocational agriculture teachers to (1) update the teachers on SOEP, (2) expand practical learning experiences associated with SOEP, and (3) disseminate new SOEP materials. New materials obtained at a national SOEP workshop will be evaluated and adapted to the Illinois vocational agriculture program. The SOEP workshop will be incorporated into the inservice program for Illinois vocational agriculture teachers, the SOEP materials disseminated, and the workshop presented to teachers. This program will continue the emphasis on hands-on, individualized learning activities in vocational agriculture students. Copies of the new SOEP materials and of a final report will be delivered.

IL8313117.
Model Collaborative Economic Development Project for Community Colleges.

Project Director: Sienko, Dennis

Organization: Elgin Community College 1700 Spartan Drive, Elgin, IL 60120.

Telephone: (312) 888-7376.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-31-13-D-0213-473.

Funding Period: Start Date 15 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $19,479.

Descriptors: Clearinghouses. Community-Colleges. Cooperation. Economic-Development. Government-School-Relationship. Hotlines-Public. Models. Needs-Assessment. School-Business-Relationship. School-Community-Relationship.

Identifiers: State. Proposal.

A model economic development project will be designed which will link business, industry, government, and community-based agencies with vocational education programs through the development of a clearinghouse and a hotline. A vocational education needs survey will be developed, administered, and evaluated. An economic development clearinghouse will be established and an economic development hotline instituted. A quarterly newsletter will be published and a handbook explaining the clearinghouse developed. Project staff will provide on-site consultation on economic development, and consultants to business, industry, and government will be made available. A manual will be developed on how to design courses for specific vocational training needs. Products to be delivered will include a vocational education needs assessment instrument, the course design manual, clearinghouse handbook, a progress report, and a final report.

IL8313118.
Computer Assisted Design/Computer Assisted Manufacturing (CAD/CAM) Program Development Study.

Project Director: Coale, Jack

Organization: Program Management Associates 530 South Grand West, Springfield, IL 62704.

Telephone: (217) 544-3737.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-31-13-X-0332-474.

Funding Period: Start Date 08 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $17,200.

Descriptors: Employment-Opportunities. Employment-Projections. Employment-Qualifications. Job-Skills. Occupational-Information.

Identifiers: State. Proposal. *Computer Assisted Design. *Computer Assisted Manufacturing.

A model CAD/CAM informational program will be designed. Information will be gathered from firms active in CAD/CAM implementation to determine employment perspectives and quantity and employment growth projections. A matrix which exhibits CAD/CAM opportunity types and numbers projections will be developed. This program will make vocational education teachers and students aware of the demand and opportunities in CAD/CAM employment and the skills needed for these jobs. Teachers will be supplied with guidelines for teaching a CAD/CAM orientation program. Copies of an interim report and the final report will be delivered.

IL8313119.
Project To Improve or Upgrade and Train New Vocational Educators.

Project Director: Savage, John

Organization: Western Illinois University 74 Horrabin Hall, Macomb, IL 61455.

Telephone: (309) 298-1191.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-31-13-D-0322-475.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $12,871.

Descriptors: Beginning-Teachers. Educational-Needs. Improvement. Inservice-Teacher-Education. Needs-Assessment. Teaching-Skills. Teacher-Workshops. Vocational-Education-Teachers.

Identifiers: State. Proposal.

The skills of new vocational teachers will be improved and/or upgraded. An assessment of the inservice education needs of new teachers will be conducted and a summary statement developed. Ten workshops responsive to these needs will be conducted. The summary statement of needs and techniques used to address those needs will be reported to the regional vocational administrators.

IL8313120.
Designing and Implementing a Plan for the Collaboration, Cooperation, and Coordination of the Providers of Employment Training.

Project Director: Leach, James

Organization: University of Illinois Education Building, 1310 South Sixth, Champaign, IL 61820.

Telephone: (217) 333-0185.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-31-13-D-0411-477.

Funding Period: Start Date 01 Aug 82; End Date 30 Jun 83.

Fiscal Year Funding: $48,837.

Descriptors: Cooperation. Delivery-Systems. Job-Training.

Identifiers: State. Proposal.

An efficient and effective delivery of employment training through the cooperation, collaboration, and coordination of administrative, program, and service efforts by the seven major employment training delivery systems will be accomplished. Representatives from state and local employment training agencies will be identified to assess current efforts in collaboration in order to identify components of each delivery system which can be adapted. A master plan for cooperation and collaboration will be presented to employment training agencies for implementation. The plan will then be revised, refined, and evaluated. A final report will be delivered.

IL8313121.
Chicago Coalition—Education/Training/Employment.

Project Director: Schwartz, Bernard

Organization: Education Network for Older Adults 36 South Wabash Suite 624, Chicago, IL 60603.

Telephone: (312) 782-8967.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-31-13-X-0512-480.

Funding Period: Start Date 13 Aug 82; End Date 30 Jun 83.

Fiscal Year Funding: $35,060.

Descriptors: Community-Colleges. Job-Skills. Job-Training. Networks. Older-Adults. Public-Policy. School-Business-Relationship.

Identifiers: State. Proposal. *Emerging Occupations.

Representatives from Chicago industry, business organizations, schools, and adult organizations will gather for a forum. This Education Network for Older Adults will initiate, facilitate, and distribute information concerning public policy in vocational education. A research subgroup will examine actual and emerging areas of employment, job roles, and sites; the training needed; and the needed training curriculum. The role of community colleges will be emphasized. Task force activities will be monitored and evaluated.

IL8313122.
Micro-Vers Version 2.0.

Project Director: White, Conard L.

Organization: VESCOM Associates, Inc. RR 1 Bruce Circle Drive, Lockport, IL 60441.

Telephone: (815) 838-5710.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-31-13-D-0512-484.

Funding Period: Start Date 28 Feb 83; End Date 30 Jun 83.

Fiscal Year Funding: $13,878.

Descriptors: Computer-Oriented-Programs. Computer-Programs. Evaluation-Methods. Guides. Microcomputers. Program-Evaluation. Reference-Materials.

Identifiers: State. Proposal.

This continuation of a computer software project will correct problems associated with the first version and will create technical enhancements. An evaluation instrument will be designed and administered to the users of version 1 of the Micro-VERS software package via workshops. Evaluation findings will be summarized and reported. Recommendations which are deemed feasible will be implemented into version 2 programs and manuals. The program and manual for version 2 of the software package for the Apple II microcomputer will be written, field-tested, and revised. Copies of the user's guide and reference manual and of the program disks for Apple II will be delivered.

IL8313123.

Engine Retrofitting Kits for Alcohol Motor Fuels: High Technology Development, Optimization, and Field Demonstration.

Project Director: Blair, Brittain A.

Organization: Southeastern Illinois College RR #4, College Drive, Harrisburg, IL 62946.

Telephone: (618) 253-8886.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-31-13-D-0243-446.

Funding Period: Start Date 25 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $37,819.

Descriptors: Engineering-Technology. Fuels. Research.

Identifiers: State. Proposal. *Alcohol Fuels. *Dynamometers. *Internal Combustion Engines. *Motor Fuels Management. *Retrofitting.

The technical and practical foundations for the development of programs in optional motor fuel management will be provided. Three vehicles will be converted, evaluated, and tested according to the high compression method, dual-fuel method, and flash vaporization method. The operative technology of selected internal combustion engines and their fuel management hardware will be upgraded. Preproduction prototypes of conversion retrofitting kits will be developed as well as engineering and operative technical information. Production, installation, and operation costs will be analyzed and optimized. Three technical workshops and one professional symposium will be conducted. Products to be delivered will include the dynamometer test results, performance evaluations, and field test results on the three prototype vehicles; and the curriculum draft, conversion manual draft, and the final report.

IL8313124.

Illinois Plan for Industrial Education.

Project Director: Loepp, Franzie

Organization: Illinois State University Industrial Technology Department, Turner Hall, Normal, IL 61761.

Telephone: (309) 438-3661.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-31-53-D-0332-154.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $106,000.

Descriptors: Career-Exploration. Communications. Energy. Industrial-Education. Inservice-Teacher-Education. Orientation-Materials. Preservice-Teacher-Education. Production-Technicians. Transportation.

Identifiers: State. Proposal.

Four orientation-level courses in industrial education, twenty-four exploration units, planning guides, and inservice and preservice teacher education models will be developed. The orientation courses (Communication System, Energy Utilization System, Production System, Transportation System) will be demonstrated in at least ten schools. Orientation materials will be disseminated at four workshops, and promotional activities will be conducted. Implementation strategies for the pre- and inservice teacher education programs will be developed. The three-week exploration units will be developed, piloted, and distributed. Copies of all courses, guides, and models will be delivered.

Exemplary and Innovative (Sec. 132)

IL8313201.

Surmounting Architectural Barriers to the Handicapped in Vocational Education.

Project Director: Erekson, Thomas

Organization: Northern Illinois University Office for Vocational, Technical and Career Education, Gabel Hall 155, Northern Illinois University, DeKalb, IL 60115.

Telephone: (815) 753-1306.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-32-33-D-0531-399.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $28,949.

Descriptors: Accessibility-For-Disabled. Disabilities. Federal-Legislation. Instructional-Materials. Modules. Videotape-Recordings.

Identifiers: State. Proposal.

Compliance with Section 504, accessibility to vocational education by the handicapped, will be carried out in the following ways. Instructional units or modules for the infusion of related content into vocational education programs will be developed and field-tested. A videotape demonstrating this infusion will be produced. Inservice and dissemination workshops will be conducted throughout Illinois. Technical assistance or consultation will be provided to school districts upon request. Copies of the final report, modules, and videotapes will be delivered.

IL8313202.

Demonstration Center CIVE (Competency-based Individualized Vocational Education) (Continuation).

Project Director: Oen, Urban

Organization: DuPage Educational Service Region 301 North Swift Road, Addison, IL 60101.

Telephone: (312) 620-8770.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-32-63-X-0333-130.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $130,000.

Descriptors: Articulation-Education. Competency-Based-Education. Demonstration-Centers. Guides.

Identifiers: State. Proposal.

The demonstration center CIVE project will be continued to encourage Illinois schools to establish competency-based, performance oriented individualized programs. Designated demonstration center schools will house the demonstration center projects. A statewide workshop will be held to train key resource persons program management. Guidelines for operation of the consortium will be developed and mailed to those interested in participating. Materials developed by fifteen schools in the consortium will be shared with other schools; technical assistance with implementation will be provided. An articulation model for a vocational school, feeder schools, and a community college will be developed and implemented. Additionally, a format and materials will be designed for self-instructional, competency-based vocational education manuals for preservice and inservice activities. Student learning guides and a final report will be delivered.

IL8313203.

Management of Education/Work Consortia.

Project Director: Musgrove, Paul

Organization: Tri-County Industry-Education-Labor Council Lincoln Hall, Illinois Central College, East Peoria, IL 61635.

Telephone: (309) 694-6418.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-32-23-X-0334-449.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $38,144.

Descriptors: Advisory-Committees. Clearinghouses. Decision-Making-Skills. Education-Work-Relationship. Employment-Opportunities. Employment-Projections. Employment-Qualifications. Occupational-Information.

Identifiers: State. Proposal.

A work education council will be maintained to serve as a clearinghouse of vocational/career information and of resource people for school personnel, agencies, parents, and students. Information will be compiled and coordinated to determine labor market trends and the data disseminated to educational agencies. Educators will be encouraged to view vocational development as important to student growth and as a practical way to learn educational basics helpful in the decision-making process when entering the job market. Educators will be given information regarding vocational/career choices; career opportunities available locally, statewide, and nationwide; and the qualifications necessary for such careers.

Curriculum Development (Sec. 133)

IL8313301.

Vocational-Technical Education Consortium of States (V-TECS).

Project Director: McCage, Ronald

Organization: Southern Association of Colleges and Schools 795 Peachtree Street, NE, Atlanta, GA 30308.

Telephone: (404) 897-6157.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-33-63-X-0361-189.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $20,000.

Descriptors: Behavioral-Objectives. Catalogs. Guides. Technical-Education.

Identifiers: State. Proposal. *Vocational-Technical Education Consortium States.

Catalogs of performance objectives, performance guides, and tools and equipment will be developed for use in vocational-technical education curriculum development. Domain areas will be selected and a state-of-the-art study conducted for each domain. Preliminary lists of tasks, tools, and equipment will be drawn up and refined, followed by an occupational inventory. Data will be collected and analyzed and tasks will be determined for conversion to performance objectives. The catalog will be field reviewed, refined, and disseminated. In addition to the catalogs, a final report will be produced.

IL8313302.

Develop Two Vocational-Technical Education Consortium of States (V-TECS) Products.

Project Director: Stadt, Ronald

Organization: Southern Illinois University-Carbondale Southern Illinois University, Carbondale, IL 62901.

Telephone: (618) 453-3321.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-33-13-D-0361-467.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $49,980.

Descriptors: Behavioral-Objectives. Catalogs. Criterion-Referenced-Tests. Metal-Working. Reprography. Teaching-Methods.

Identifiers: State. Proposal.

The Vocational-Technical Education Consortium of States (V-TECS) catalogs (for metal trades and for duplicating machine operators) will be developed for use by curriculum developers, administrators, and teachers to provide competency-based instruction. For the metal trades catalog, job titles will be selected and an occupational inventory will be developed. Following an occupational survey, a writing team will develop catalog components and learning activities. A draft will be field-tested and a final copy and project report will be delivered. For the duplication machine operator catalog, a writing team will analyze survey data and organize teaching sequences for job title units. The team also will develop appendix materials, evaluation standards, and duty sheets. A review team will evaluate the materials and present draft to state staff for review. After revision, the catalog will be published along with a final report.

IL8313303.

Illinois Employment Demand and Vocational Education Curriculum.

Project Director: Staggs, Jan; Kjos, Diane

Organization: Eastern Illinois University 217 East Monroe, Suite 203, Springfield, IL 62706.

Telephone: (217) 785-0789.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-33-13-D-0363-462.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $60,000.

Descriptors: Curriculum-Evaluation. Curriculum-Guides. Employment-Projections. Occupational-Information. Program-Development.

Identifiers: State. Proposal.

Projected high and low demand occupations in the state will be identified to aid planning for vocational and technical training programs. Curriculum content of these programs will be analyzed and changes made as needed. A national search for standardized curriculum guides for these programs will be conducted, and the guides will be evaluated for adoption or modification by Illinois schools. The project monograph, 'Employment Demand and Vocational Education Curriculum Recommendations,' and the final report will be delivered.

IL8313304.

Curriculum Publications Clearinghouse.

Project Director: Miller, F. Gene

Organization: Western Illinois University Horrabin Hall 46, Western Illinois University, Macomb, IL 61455.

Telephone: (309) 298-1917.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-33-63-D-0372-173.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $113,573.

Descriptors: Catalogs. Clearinghouse. Delivery-Systems. Instructional-Materials. Technical-Assistance.

Identifiers: State. Proposal.

The Curriculum Publications Clearinghouse will assist in planning and implementing a dissemination and technical assistance system for vocational and technical education to give individuals or groups access to curriculum materials on a cost-recovery basis. Directions will be given as to what items are to be handled by the clearinghouse, quantities to be reproduced, and prices to charge. Deliverables will include quarterly and final reports, catalogs of available materials, results of a feasibility study of having the clearinghouse do the first printing of all curriculum materials developed as a result of ISBE/DAUTE contracts, and brochures and forms for the dissemination and technical information system.

IL8313305.

Development of Comprehensive, Sequential Vocational Home Economics Curriculum—Phase 4.

Project Director: Griggs, Mildred

Organization: University of Illinois Department of Vocational and Technical Education, 345 Education Building, 1310 South 6th Street, Champaign, IL 61820.

Telephone: (217) 333-0807.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-33-43-D-0362-363.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $55,633.

Descriptors: Curriculum-Guides. Home-Economics. Home-Economics-Teachers. Inservice-Teacher-Education. Instructional-Materials. Preservice-Teacher-Education.

Identifiers: State. Proposal.

A newly developed home economics curriculum guide for grades 6-12 will be incorporated into home economics classes. Implementation workshops for home economics teachers will be developed, publicized, and conducted. The guide will be disseminated to middle and junior high, high school, and preservice teachers to update their current curriculum issues and instructional materials. Copies of the final report of project activities, including evaluation of the dissemination workshops, will be delivered.

IL8313306.

Illinois Core Curriculum in Agriculture.

Project Director: Hemp, Paul; Courson, Roger

Organization: University of Illinois 357 Education Building, 1310 South Sixth Street, Champaign, IL 61820.

Telephone: (217) 333-3166.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-33-13-D-0362-466.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $140,000.

Descriptors: Agricultural-Education. Core-Curriculum. Entry-Workers. Grade-11. Horticulture. Instructional-Materials. Job-Skills. Teaching-Guides. Vocational-Education-Teachers.

Identifiers: State. Proposal.

A core curriculum for vocational agriculture teachers to use in grade 11 vocational agriculture and horticulture classes will be developed, evaluated, and revised. The materials will help teachers provide students with entry level job skills. Instructional packets for teachers will be field-tested and prepared for printing. Workshops will be conducted to familiarize teachers with the materials. Copies of all materials and a final report will be delivered.

IL8313308.

Defense Contracting and Vocational Education in Illinois.

Project Director: Joley, Charles

Organization: Eastern Illinois University Charleston, IL 61920.

Telephone: (217) 785-0789.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: CN: R-33-13-D-0363-482.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $28,458.

Descriptors: Economic-Development. Job-Training. National-Defense. Occupational-Information.

Identifiers: State. Proposal. *Job Titles.

Potential program growth in areas where defense-related economic growth may be anticipated will be identified. Major defense contractors in Illinois and job titles applicable to these employers will be identified, and applicable educational programs for job titles pertaining to vocational education will be determined. A report entitled 'Defense Contracting and Vocational Education in Illinois' will be written which analyzes defense-related employment and training. Recommendations will be made for program development and/or improvement to better meet defense preparedness needs. A final report also will be delivered.

IL8313309.

Marketing Curriculum Guides Dissemination.

Project Director: Luft, Roger L.

Organization: Southern Illinois University Vocational Education Studies, Business Education Program, Carbondale, IL 62901.

Telephone: (618) 453-3321.

Sponsoring Agency: Illinois State Office of Eduation, Springfield.

Contract/Control No.: PN: R-33-13-D-0362-448.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $35,256.

Descriptors: Advertising. Clothing. Curriculum-Guides. Home-Furnishings. Marketing. Merchandising.

Identifiers: State. Proposal. *Interstate Distributive Education Curriculum Consortium.

Curriculum guides for clothing apparel and accessories merchandising, home furnishings merchandising, and advertising services courses will be revised. A master grid of competencies will be completed and incorporated into the marketing planning guide. This guide and the general marketing guide will be revised, and all guides will be disseminated via workshops. A survey will be conducted to determine the cost effectiveness of Illinois membership in Interstate Distributive Education Curriculum Consortium (IDECC). In addition to copies of the completed guide, progress and final reports will be delivered.

Indiana

Research (Sec. 131)

IN8313101.

A Proposed Plan of Operation for Vocational Education Services.

Project Director: Michael, Nancy; Pershing, James A.

Organization: Indiana University School of Education, Vocational Education Services, Bloomington, IN 47474.

Telephone: (812) 335-6711.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 325-82-3-1.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $244,054.

Descriptors: Bibliographies. Catalogs. Databases. Delivery-Systems. Information-Dissemination. Information-Services. Library-Materials. Newsletters. Public-Relations. Publications. Reference-Materials. Resource-Centers.

Identifiers: State. Proposal.

Vocational Education Services (VES) will provide a comprehensive and centralized materials resource agency for Indiana's vocational education community and will serve as a disseminator of information. These purposes will be accomplished through the maintenance and expansion of publishing, disseminating library loan and reference materials, and consultation. Library and Information Services will select, acquire, process, catalog, and index library materials. In-house data bases will be managed, updated, and corrected. Staff also will create VES catalogs, retrieve bibliographic information, schedule loans, and perform other functions as required. The publishing unit will organize the production of publications and oversee their distribution. Consultation services will include scheduling conferences, investigating relevant literature, and presenting findings and advice. Promotional services will involve attending professional meetings, producing and disseminating publications, and promoting VES through presentations, tours, and meetings.

IN8313102.

Indiana Vocational Education Data System.

Project Director: Turner, Bruce E.

Organization: Indiana University—Computing Services 799 West Michigan Street—ET 1023, Indianapolis, IN 46202.

Telephone: (317) 264-3722.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 337-82-3-1.

Funding Period: Start Date 01 Sep 82; End Date 30 Sep 83.

Fiscal Year Funding: $319,875.

Descriptors: Computer-Oriented-Programs. Educational-Administration. Information-Systems. State-Boards-of-Education.

Identifiers: State. Proposal. Vocational Education Data System.

The development and operation will be continued for the third year of a centralized vocational education management information system for the State Board of Vocational and Technical Education that will meet Indiana's needs, including federal Vocational Education Data System (VEDS) requirements. Development and operation of a centralized facilities and equipment inventory system will be continued for a second year, and a program inventory system will be developed. Data collection instruments for a functioning computerized vocational education management information system will be produced. Information will be used to develop data files, standard reports, and ad hoc reports.

IN8313103.

Localized Vocational Education Promotion Package.

Organization: Bierce Associates, Inc. 3845 North Meridian Street, Indianapolis, IN 46217.

Telephone: (317) 923-1573.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 323-82-3-1.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $35,000.

Descriptors: Publicity. School-Activities.

Identifiers: State. Proposal.

A vocational education promotions campaign will be carried out, including (1) researching and writing five newspaper articles on Indiana vocational education, (2) identifying television programs in the state which would provide opportunities for discussion of vocational education issues and drafting letters to the producers, and (3) preparing letters to regional contact persons and participants in regional workshops to explain current and pending activities regarding promotion of vocational education with the objective of stimulating additional interest. Fifty public service billboards will be produced and placed throughout the state; 25,000 clear polyester, static cling three-color decals will be produced and distributed; and 5,000 posters will be produced and distributed.

IN8313104.

Design and Development of an Employability Skills Handbook.

Project Director: Pershing, James A.

Organization: Indiana University Vocational Education Services, 840 State Road 46 Bypass, Room 111, Bloomington, IN 47405.

Telephone: (812) 335-6711.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 336-82-3-1.

Funding Period: Start Date 01 Oct 82; End Date 31 Mar 83.

Fiscal Year Funding: $14,997.

Descriptors: Employment-Potential. Guides. Job-Skills. Job-Training. Resource-Materials.

Identifiers: State. Proposal.

A literature search and survey of other states will be conducted to identify existing employability skills materials and the state-of-the-art of employability skills training. Materials and methods will be cataloged, evaluated, and selected for inclusion in a handbook. A draft of the handbook will be reviewed and a camera-ready copy prepared. A final technical report will be delivered.

Exemplary and Innovative (Sec. 132)

IN8313201.

Developing Communication Linkages and Coordinating Vocational Programs.

Project Director: Jessup, Roger L.

Organization: Mississinewa Community Schools 424 West Main Street, Gas City, IN 46933.

Telephone: (317) 674-2184.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 4-83-3-2.

Funding Period: Start Date 01 Oct 82; End Date 01 Sep 83.

Fiscal Year Funding: $35,940.

Descriptors: Agency-Cooperation. Communications. Employment-Opportunities. Government-School-Relationship. Public-Relations. School-Business-Relationship.

Identifiers: State. Proposal.

Communication linkages between vocational education agencies will be improved, a public relations program will be developed, and an effort will be made to cooperate with the business community and government agencies in program development. Staff will meet with cooperating agencies and discuss employment opportunities as affected by changing economic conditions. A meeting agenda will be developed with the economic development office and with leaders from business and industry. These tasks will improve communications, develop a public relations program, and eliminate unnecessary duplication of effort in region 6.

IN8313202.

Planning Activities for Region 8: 1983-1984.

Project Director: Harris, Robert C.

Organization: Indiana University Studies in Organizational and Occupational Development, Smith Research Center, Room 126, Indiana University, Bloomington, IN 47405.

Telephone: (812) 335-8104.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 28-83-3-2&5.

Funding Period: Start Date 01 Apr 83; End Date 31 Mar 84.

Fiscal Year Funding: $103,035.

Descriptors: Ancillary-School-Services. Articulation-Education. Behavioral-Objectives. Communications. Decision-Making. Delivery-Systems. Marketing. Networks. Program-Costs. Program-Design. Regional-Planning.

Identifiers: State. Proposal.

The efficiency of delivery services to region 8 participants and consumers will be improved by establishing long term options for decision making. A comprehensive one-year plan for the Indianapolis region will be developed. Specific activities will include (1) improved and expanded networking; (2) a framework for program articulation and a competency list for selected program; (3) improved support services; (4) broadened base for securing capital and materials resources; (5) development, distribution, deployment, and use of communications and marketing materials; (6) a set of regionwide data; and (7) regionwide responses to identified program initiatives/needs.

IN8313203.

Continued Communication, Cooperation, and Coordination of Region 4 and Area 10 Vocational Delivery System.

Project Director: MacOwan, John M.

Organization: Area 10 Vocational Cooperative 565 South Main Street, Monticello, IN 47960.

Telephone: (219) 583-9639.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 22-83-3-2.

Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.

Fiscal Year Funding: $9,900.

Descriptors: Advanced-Placement. Articulation-Education. Audiovisual-Aids. Competency-Based-Education. Cooperation. Delivery-Systems. Equivalency-Tests.

Identifiers: State. Proposal.

The delivery system for vocational education programs in area 10 and region 4 will be improved. Meetings with secondary administrators, teachers, counselors, and postsecondary personnel will be conducted which will result in five advanced standing credit agreements. All area 10 vocational teachers and Indiana Vocational Technical College teachers will attend an inservice day to expose teachers to performance-based vocational education. An audiovisual presentation will be created which will show the coordinated efforts of all vocational agencies. It will serve as a marketing and public relations tool for the vocational delivery system.

IN8313204.

Patoka Valley Vocational Cooperative (District #47).

Project Director: Stutz, Walter

Organization: Greater Jasper Consolidated Schools PO Box 191, Jasper, IN 47546.

Telephone: (812) 481-1801.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 339-82-3-2.

Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.

Fiscal Year Funding: $41,901.

Descriptors: Cooperation. Needs-Assessment. Pilot-Projects. Program-Implementation. Student-Needs.

Identifiers: State. Proposal.

A pilot program to implement district vocational education planning will be conducted in district number 47. Existing vocational programs will be reviewed and analyzed and recommendations will be made for improving instruction and physical needs. Student and community needs will continue to be analyzed and recommendations made. The executive council and the advisory council will provide periodic feedback and evaluation of project activities.

IN8313205.

Technical Assistance and Quality Control for Performance-based Training.

Organization: Training Specialists, Inc. 1811 Executive Drive, Suite D, Indianapolis, IN 46241.

Telephone: (317) 244-2424.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 327-82-3-23.

Funding Period: Start Date 01 Oct 82; End Date 01 Oct 83.

Fiscal Year Funding: $233,000.

Descriptors: Catalogs. Competency-Based-Education. Economic-Development. Program-Development. Task-Analysis. Technical-Assistance.

Identifiers: State. Proposal. *Vocational Technical Education Consortium States.

Technical assistance will continue to be provided in the development of performance-based vocational education, Training for Profit programs, and Vocational-Technical Education Consortium of States (V-TECS) catalogs. Also, two Work Analysis Specialist positions will be filled, and experts in task analysis and content limits/variables will be provided. These tasks will enhance the economic development of Indiana business and industry.

IN8313207.

Work Analysis Specialist Project.

Project Director: Hankenhoff, Beverly

Organization: New Castle Area Vocational School 1305 G Avenue, New Castle, IN 47362.

Telephone: (317) 529-8434.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 331-82-3-2.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $43,000.

Descriptors: Competency-Based-Education. Job-Training. Occupational-Information. On-The-Job-Training. School-Business-Relationship.

Identifiers: State. Proposal. *Work Analysis Specialist.

The skills of the work analysis specialist will continue to be upgraded in the use of Performance Based Industrial Training/Training for Profit (PBIT/TFP) programs and in the delivery of training programs to companies through participation at conferences, conventions, and on-the-job experience and through the staff of the PBIT project. Training programs content and outlines and training-related services will be provided for company accounts activated but not completed during the 1981-1982 project year, including determining priorities for training programs and services, obtaining job titles and specifications, developing training materials for the company, and evaluating training results. Training program content and outlines and training-related services also will be provided to new accounts assigned during the 1982-1983 project year. The project will demonstrate that training can increase profits and will enhance local and other vocational systems by providing updated information on jobs and developing better contacts with business and industry.

IN8313208.

Work Analysis Specialist.

Project Director: Borden, Sam E.

Organization: Indiana Vocational Technical College 7377 South Dixie Bee Road, Terre Haute, IN 47802.

Telephone: (812) 299-1121.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 330-82-3-2.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $43,000.

Descriptors: Competency-Based-Education-Economic-Development. Job-Analysis. Job-Training. Program-Implementation. School-Business-Relationship.

Identifiers: State. Proposal. *Work Analysis Specialist.

Indiana Vocational Technical College Region 07 will provide a work analysis specialist to develop industry training for economic development, according to State Board of Vocational Technical Education guidelines. The work analysis specialist will implement the Indiana Training for Profit and Performance Based Industrial Training programs, assisting with economic development by identifying essential skills that require training for industry. The project will result in improved offerings for individuals presently employed in industry and closer working relationships with industry throughout the region.

IN8313209.

Work Analysis Specialist.

Project Director: Lansinger, James

Organization: Indiana Vocational-Technical College—Kokomo 1815 East Morgan Street, Kokomo, IN 46901.

Telephone: (317) 459-0561.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 329-82-3-2.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $43,000.

Descriptors: Competency-Based-Education. Economic-Development. Job-Analysis. Job-Training. Program-Implementation. School-Business-Relationship.

Identifiers: State. Proposal. *Work Analysis Specialist.

Indiana Vocational Technical College Region 05 will provide a work analysis specialist to develop industry training for economic development, according to State Board of Vocational Technical Education guidelines. The work analysis specialist will implement the Indiana Training for Profit and Performance Based Industrial Training programs, assisting with economic development by identifying essential skills that require training for industry. The project will result in improved offerings for individuals presently employed in industry and in closer working relationships with industry throughout the region.

IN8313210.

Work Analysis Specialist.

Project Director: Reckerd, Thomas E.

Organization: Indiana Vocational-Technical College 3208 Ross Road, PO Box 6299, Lafayette, IN 47903.

Telephone: (317) 477-7401.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 328-82-3-2.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $43,000.

Descriptors: Competency-Based-Education. Economic-Development. Job-Analysis. Job-Training. Program-Implementation. School-Business-Relationship.

Identifiers: State. Proposal. *Work Analysis Specialist.

Indiana Vocational Technical College Region 04 will provide a work analysis specialist to develop industry training for economic development, according to State Board of Vocational Technical Education guidelines. The work analysis specialist will implement the Indiana Training for Profit and Performance Based Industrial Training Programs, assisting with economic development by identifying essential skills that require training for industry. The project will result in improved offerings for individuals presently employed in industry and in closer working relationships with industry throughout the region.

IN8313211.

Feasibility Study—Warsaw Facility.

Project Director: Schrader, Robert D.

Organization: Warsaw Area Career Center 900 East Smith Street, Warsaw, IN 46580.

Telephone: (219) 269-9554.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 305-82-3-2.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $4,000.

Descriptors: Agency-Cooperation. Career-Counseling. Career-Education. Educational-Facilities-Planning. Facility-Utilization-Research. Feasibility-Studies. Job-Training. Rehabilitation.

Identifiers: State. Proposal.

A feasibility study will be conducted to determine whether all educational agencies within the community could be incorporated into one facility. This project will explore procuring an appropriate facility to provide career training, rehabilitation, and counseling in one location.

IN8313212.

Feasibility Study for Four County Area Vocational Cooperative.

Project Director: Vaughn, Hal D.

Organization: Four County Area Vocational Cooperative 119 North Main Street, Avilla, IN 46710.

Telephone: (219) 897-3527.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 23-83-3-2.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $3,770.

Descriptors: Delivery-Systems. Feasibility-Studies. Institutional-Cooperation.

Identifiers: State. Proposal.

A feasibility study will be conducted in four counties to determine the need for changing from the current cooperative delivery system to a central facility.

IN8313213.

Improving and Expanding Regional Communication, Cooperation, and Coordination of Vocational Education Service Delivery in Economic Region #14.

Project Director: Fields, Charles E.

Organization: C. A. Prosser Area Vocational Center 802 East Market Street, New Albany, IN 47150.

Telephone: (812) 945-6681.

Sponsoring Agency: Indiana State Board of Vocational And Technical Education, Indianapolis.

Contract/Control No.: CN: 27-83-3-25.

Funding Period: Start Date 01 Feb 83; End Date 29 Feb 84.

Fiscal Year Funding: $12,115.

Descriptors: Admission-School. Advanced-Placement. Articulation-Education. Communication-Skills. Delivery-Systems. Employment-Opportunities. Facility-Utilization-Research. Job-Placement. Regional-Programs.

Identifiers: State. Proposal. *Dual Credit.

Regional vocational education delivery services will be improved and expanded. Key elements such as program articulation, steering committee functions, communication of accomplishments, and joint facilities utilization study will be continued. The potential for dual credit and/or advanced standing for adults between regional institutions will be investigated. A student information and promotion campaign regarding articulation, matriculation, convenience, and availability will be developed. Further, an operational model will be developed for comprehensive placement and job listing. Internal and external communications, planning, and delivery of the Vocational Education Employment and Training systems services will be improved through better use of existing resources.

Kansas

Research (Sec. 131)

KS8313101.
Incorporate Reading, Writing, Math, and Accountability Skills into Vocational Program Offerings—A Model Program.
Project Director: Hudson, Jesse
Organization: Department of Vocational and Technical Education, Pittsburg State University Pittsburg, KS 66762.
Telephone: (316) 231-7000.
Sponsoring Agency: Kansas State Dept. of Education, Topeka.
Contract/Control No.: CN: 83-131-01.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $9,284.
Descriptors: Accountability. Disadvantaged. Instructional-Materials. Mathematics. Reading-Skills. Remedial-Instruction. Writing-Skills.
Identifiers: State. Proposal.

Vocational curriculum which incorporates relevant reading, writing, math and accountability skills will be listed in a publication for use in the remediation of academically disadvantaged students. Information networks will be searched for these materials. A model program will be developed for statewide use in all vocational service areas.

KS8313102.
Study of Limited English-speaking Ability Population of Kansas.
Project Director: Baxter, Dee
Organization: Division of Vocational and Continuing Education, U.S.D. No. 259 324 North Emporia, Wichita, KS 67202.
Telephone: (316) 265-8666.
Sponsoring Agency: Kansas State Dept. of Education, Topeka.
Contract/Control No.: CN: 83-131-10.
Funding Period: Start Date 01 Jul 82; End Date 31 Dec 82.
Fiscal Year Funding: $4,000.
Descriptors: Data-Analysis. Educational-Needs.
Identifiers: State. Proposal. *Limited English Speaking.

Data concerning the limited-English-speaking-ability (LESA) population in Kansas will be collected, analyzed, and evaluated to develop a common definition of LESA, establish the size of this population in Kansas, and determine their vocational education needs. A sampling of LESA persons will be selected for case studies and interviews; data bases pertaining to the LESA population in Wichita, Kansas City, and Garden City will be researched, analyzed, and evaluated. A final report will be delivered for use in program planning.

KS8313103.
Develop a Vocational Agriculture Supervised Occupational Experience Program Handbook.
Project Director: Parmley, John D.
Organization: Department of Adult and Occupational Education, Kansas State University Manhattan, KS 66506.
Telephone: (913) 532-5904.
Sponsoring Agency: Kansas State Dept. of Education, Topeka.
Contract/Control No.: CN: 83-131-09.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $4,000.
Descriptors: Agricultural-Education. Educational-Policy. Guides. Inservice-Teacher-Education. Instructional-Materials. Teaching-Methods.
Identifiers: State. Proposal. *Supervised Occupational Experience Programs.

Selected vocational agriculture teachers will be surveyed concerning successful teaching methods and suggestions for policies and procedures. This compilation will be used in developing a vocational agriculture supervised occupational experience handbook and related inservice education materials to introduce the handbook. A final report also will be produced.

KS8313104.
Health Occupation Conferences to Improve the Quality of Vocational Education Programs for the Eighties.
Project Director: Junge, Catherine
Organization: Vocational and Technical Education 1701 South Broadway, Pittsburg, KS 66762.
Telephone: (316) 231-7000.
Sponsoring Agency: Kansas State Dept. of Education, Topeka.
Contract/Control No.: CN: 83-131-08.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $2,000.
Descriptors: Allied-Health-Occupations-Education. Educational-Needs. Employment-Opportunities. Employment-Projections. Health-Personnel. Program-Development.
Identifiers: State. Proposal.

A master plan for prioritizing issues and concerns for effective health occupations program planning will be developed by a coordinating council. The council will compile data relating to health occupations education, personnel, and delivery trends. These data and the master plan will be combined into a report to be disseminated for statewide reaction. The final master plan then will be produced and disseminated.

KS8313105.
Research and Adapt Existing Prevocational Curriculum at the Ninth and Tenth Grade Levels for Use in Multiservice Area Programs.
Project Director: Smith, Fred J.
Organization: Vocational-Technical Education Department, Pittsburg State University Pittsburg, KS 66762.
Telephone: (316) 231-7000.
Sponsoring Agency: Kansas State Dept. of Education, Topeka.
Contract/Control No.: CN: 83-131-07.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $4,314.
Descriptors: Grade-9. Grade-10. Guides. Prevocational-Education.
Identifiers: State. Proposal.

A prevocational curriculum guide will be developed and field-tested, then revised based on field-test results. Prevocational materials from other states will be analyzed, and relevant materials will be incorporated into the Kansas guide. The final revised guide will be available to instructors throughout Kansas.

KS8313106.
Statewide Study of the Accessibility of Vocational Education for Eleventh and Twelfth Grade Students in Kansas.
Project Director: Scott, Robert
Organization: Kansas State University Bluemont Hall, Manhattan, KS 66506.
Telephone: (913) 532-5939.
Sponsoring Agency: Kansas State Dept. of Education, Topeka.
Contract/Control No.: CN: 83-131-03.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $9,978.
Descriptors: Access-to-Education. Enrollment-Rates. Enrollment-Trends. Grade-11. Grade-12.
Identifiers: State. Proposal.

The study will be conducted to provide information on the locations of new program offerings. Enrollment data base location and enrollment numbers will be collected and analyzed, and on-site visits to a sample of schools will be conducted. Results will be summarized, reviewed, and included in a final report.

KS8313107.

Vocational Agriculture Supervised Occupational Experience Program Handbook.

Project Director: Parmley, John D.

Organization: Kansas State University Adult and Occupational Education, Bluemont Hall, Manhattan, KS 66506.

Telephone: (913) 532-5904.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-131-09.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $4,000.

Descriptors: Agricultural-Education. Inservice-Teacher-Education. Teacher-Education. Teacher-Effectiveness. Teaching-Methods. Work-Experience-Programs.

Identifiers: State. Proposal.

The handbook will be designed to help instructors be more effective in teaching and supervising occupational experience programs. Recommended policies and procedures related to these programs will be compiled from state staff, teacher educators, and vocational agriculture instructors. Successful teaching procedures will be compiled from selected teachers. A draft of the handbook will be reviewed by state staff and project staff. Inservice education materials will also be developed to introduce the handbook to instructors.

KS8313108.

Occupational Employment Statistics Support.

Project Director: Williams, Randall E.

Organization: Kansas Occupational Information Coordinating Committee Department of Human Resources, 512 West Sixth, Topeka, KS 66603.

Telephone: (913) 296-5058.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-131-12.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $20,000.

Descriptors: Employment-Patterns. Employment-Projections. Employment-Statistics. Manufacturing. Surveys.

Identifiers: State. Proposal.

Employment statistics for various types of occupations will be compiled and disseminated to help project future worker needs. Data will be collected for the 'Nonmanufacturing Staffing Patterns in Kansas' publication, then printed and disseminated. Data will then be collected for the upcoming manufacturing survey. An Industry-Occupational Matrix will be developed, and projections for 1990 will be computed and analyzed. Publications will be disseminated to public agency planners, managers, interviewers, and counselors.

KS8313109.

Broad-based Applied Technology Program for Secondary Schools.

Project Director: McClure, Stephen

Organization: Unified School District 464 Box 199, Tonganoxie, KS 66086-0199.

Telephone: (913) 845-2153.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-131-13.

Funding Period: Start Date 01 Feb 83; End Date 30 Jun 83.

Fiscal Year Funding: $30,000.

Descriptors: Inservice-Teacher-Education. Mathematics-Education. Program-Development. Science-Education. Technical-Education. Technology.

Identifiers: State. Proposal.

Students prepared in this program for advanced careers in mathematics, science, and new technologies will provide a highly technical workforce which will attract industry to Kansas. Curriculum components will be developed in fluid/mechanical systems, cooperative technical education, applied physics, and economics and productivity. A teacher training videotape will be prepared for use in statewide inservice programs. Inservice activities to help local staff implement the curriculum will be provided.

KS8313110.

Master Plan Study to Develop a Statewide System of Vocational Education Services for Kansas.

Project Director: McCain, James

Organization: Kansas State Department of Education 120 East Tenth Street, Topeka, KS 66612.

Telephone: (913) 296-3951.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-131-15.

Funding Period: Start Date 01 Feb 83; End Date 30 Jun 83.

Fiscal Year Funding: $6,700.

Descriptors: Delivery-Systems. Master-Plans. Program-Development. Statewide-Planning.

Identifiers: State. Proposal.

A master plan to develop a statewide system of vocational education services for Kansas will be designed. Various service delivery areas and delivery systems in the state will be identified. Criteria to be used in the approval of new area vocational schools and vocational programs also will be identified. A final report will be delivered.

KS8313111.

Funding Alternatives for Area Vocational Schools in Kansas.

Organization: The Ohio State University - Research Foundation 1314 Kinnear Road, Columbus, OH 43212.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-131-14.

Funding Period: Start Date 13 Dec 82; End Date 15 Jun 83.

Fiscal Year Funding: $4,628.

Descriptors: Consultants. Consultation-Programs. Educational-Finance. Financial-Support. Interviews. Regional-Schools. Vocational-Schools.

Identifiers: State. Proposal.

Information regarding education funding in Kansas will be reviewed and alternatives drawn from other states. Interviews of knowledgeable people and those affected will be conducted. A report will be written on the findings. Consultant services will be provided to help analyze and identify funding alternatives.

KS8313112.

Study to Determine the Short-term Training Needs in Vocational Education in an Effort to Respond to the Labor Needs of Kansas from 1983 to 1987.

Project Director: Mildrexler, D. J.

Organization: Colby Community College 1255 South Range, Colby, KS 67701.

Telephone: (913) 462-3984.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-131-16.

Funding Period: Start Date 01 Apr 83; End Date 30 Jun 83.

Fiscal Year Funding: $9,545.

Descriptors: Adult-Vocational-Education. Employment-Projections. Labor-Needs. Needs-Assessment.

Identifiers: State. Proposal.

Vocational service areas will be surveyed to determine adult vocational education short-term training being conducted; projected training needs as recommended by state program specialists will be assessed, taking into account labor market information, the need for retraining and upgrading, and other economic factors. Recommendations by service area will be drafted of the potential occupational training areas that should be offered for the next five-year period. Additionally, data will be gathered from other midwest states on equipment financing, and a random sample of local education agencies will be sampled to summarize equipment available for training purposes. A task force then will be formed to review survey results and summarize data. A summary report will be prepared for the state director and state planner for vocational education.

Exemplary and Innovative (Sec. 132)

KS8313201.

Slide-tape Presentation on the Changing Office and Changing Business Curriculum.

Project Director: Groneman, Nancy

Organization: Emporia State University, Business Education Office 1200 Commercial, Emporia, KS 66801.

Telephone: (316) 343-1200.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-132-09.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,000.

Descriptors: Audiotape-Recordings. Business-Education. Offices-Facilities. Slides. Student-Recruitment.

Identifiers: State. Proposal.

An audiovisual presentation on the changing office environment and changing business curriculum will be produced for viewing by students, teachers, and business people. The slide-tape presentation will be used as a recruitment tool, aimed especially at males, for vocational business education programs.

KS8313202.

Providing Marketing and Distributive Education to Small Rural Schools in Kansas through Independent Study.

Project Director: Hoffman, Ken

Organization: Business Education Department, Emporia State University 1200 Commercial, Emporia, KS 66801.

Telephone: (316) 343-1200.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-132-08.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $864.

Descriptors: Distributive-Education. Entry-Workers. Home-Study. Independent-Study. Instructional-Materials. Job-Training. Marketing. Rural-Education. Study-Guides.

Identifiers: State. Proposal.

Independent home study materials in marketing and distributive education will be developed, and fifty students will pilot test them. The materials, including study guides and tests, will be evaluated for their success in providing entry-level training to rural students. The completed materials will be made available for distribution, and a final report will be written.

KS8313203.

A Secondary School/AVTS Cooperative Careers Guidance Project Based on the Assessed Needs of High School Juniors.

Project Director: Collison, Brooke B.

Organization: Wichita State University 1845 Fairmount, Wichita, KS 67208.

Telephone: (316) 689-3326.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-132-07.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $19,997.

Descriptors: Career-Counseling. Career-Planning. Faculty-Development. Grade-11. High-School-Students. Needs-Assessment. School-Counselors.

Identifiers: State. Proposal.

A 10 percent sample of high school juniors will be tested for their career planning needs, and a four-step career planning process will be developed. Skills of secondary and vocational school counselors will be upgraded, and cooperative relations between the groups will be enhanced. A final report of statistical data and summaries for program planning will be delivered.

KS8313204.

Expansion of the Competency-based Vocational Education Project to Design Student Learning Guides.

Project Director: Brooks, Dale; And Others

Organization: Central Kansas Area Vocational Technical School 218 East Seventh Street, PO Box 545, Newton, KS 67114.

Telephone: (913) 283-0930.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-132-02.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $15,000.

Descriptors: Competency-Based-Education. Guides. Instructional-Materials. Teacher-Role. Workshops.

Identifiers: State. Proposal.

Student learning guides for competency-based vocational education will be prepared by teachers taking part in a Wichita State University support course. Materials and procedures will be available for dissemination.

KS8313205.

Develop and Pilot Methods and Instruments to Evaluate Skill Competencies of Occupation Home Economic Education Students at the Secondary and Postsecondary Level.

Project Director: Comfort, Carolyn

Organization: Wichita Area Vocational-Technical School 301 South Grove, Wichita, KS 67211.

Telephone: (316) 265-0771.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-132-10.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $499.

Descriptors: Academic-Achievement. Evaluation-Methods. Occupational-Home-Economics. Student-Evaluation. Tests. Test-Selection.

Identifiers: State. Proposal. Home Economics Related Organizations.

The skills of occupational home economics students at the secondary and postsecondary levels will be evaluated through the development of instruments and revision of current evaluation methods. The instruments will be pilot tested in at least three classrooms and implemented at the 1983 Kansas Home Economics Related Organizations (HERO) Proficiency Conference. A master copy of the final instruments will be available for use by state staff.

KS8313206.

Development and Implementation of a Delivery System to Prepare Inmates from Correctional Institutions to Re-enter Home and Parenting Situations.

Project Director: Leppke, Sheree

Organization: Central Kansas Area Vocational Technical School 218 East Seventh Street, Newton, KS 67114.

Telephone: (316) 283-0930.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-132-11.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $3,191.

Descriptors: Correctional-Institutions. Delivery-Systems. Parent-Education. Parent-Responsibility. Prisoners. Resource-Materials. State-Programs.

Identifiers: State. Proposal.

Resource materials and instruction for reformatory inmates will be developed and implemented to prepare inmates for return to home and parenting responsibilities. Evaluation feedback from participants will be used in program revision and in the development of a model program for statewide use. The program guide and resource lists will be made available.

KS8313207.

Computerized Job Development/Job Placement (Project HIRE).

Project Director: Bacon, Jonathan

Organization: Johnson County Community College 12345 College at Quivira Road, Overland Park, KS 66210.

Telephone: (913) 888-8500.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-132-12.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $3,500.

Descriptors: Computers. Data-Processing. Job-Development. Job-Placement. Online-Systems. School-Business-Relationship.

Identifiers: State. Proposal.

Linkage will be established with a computerized job development/job placement data processing system. This linkage will reduce duplication of effort by local education agencies and increase cooperation between business and school districts. Equipment will be installed and linked to the main computer, and newly developed job listings will be entered in the system. A final report will be produced of field test results.

KS8313208.

Computerized Job Development/Job Placement.

Project Director: Paul, Wayne

Organization: Kansas City Kansas Community College 7250 State Avenue, Kansas City, KS 66112.

Telephone: (913) 334-1100.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-132-13.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $3,471.

Descriptors: Computers. Data-Processing. Job-Development. Job-Placement. Online-Systems. School-Business-Relationship.

Identifiers: State. Proposal.

Linkage will be established with a computerized job development/job placement data processing system. This linkage will reduce duplication of effort by local education agencies and increase cooperation between business and school districts. Equipment will be installed and linked to the main computer, and newly developed job listings will be entered in the system. A final report of field test results will be produced.

KS8313209.

Computerized Job Development/Job Placement.

Project Director: Guglielmino, Jane

Organization: Kansas City Area Vocational-Technical School 2220 North Fifty-ninth Street, Kansas City, KS 66104.

Telephone: (913) 334-1000.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-132-14.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $3,500.

Descriptors: Computers. Data-Processing. Job-Development. Job-Placement. Online-Systems. School-Business-Relationship.

Identifiers: State. Proposal.

Linkage will be established with a computerized job development/job placement data processing system. This linkage will reduce duplication of effort by local education agencies and increase cooperation between business and school districts. Equipment will be installed and linked to the main computer, and newly developed job listings will be entered in the system. A final report of field test results will be produced.

Curriculum Development (Sec. 133)

KS8313301.

Curriculum Development: Develop and Field-test Guidelines on the Use of Microcomputers in Vocational Classrooms.

Project Director: Underhill, Robert G.

Organization: Bluemont Hall, Kansas State University Manhattan, KS 66506.

Telephone: (913) 532-5916.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-133-03.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,996.

Descriptors: Computer-Programs. Guidelines. Microcomputers. Teaching-Guides.

Identifiers: State. Proposal.

Guidelines on the use of microcomputers in the classroom will be developed. Available vocational software will be identified through a review of microcomputer applications literature. An implementation booklet for teachers will be prepared and field-tested.

KS8313302.

Development of a Curriculum for New and Expanding Occupation in the Parts Counter-Sales-Warehousing-Data Process Industry on the Postsecondary Level—Marketing and Distributive Education.

Project Director: Hoffman, Ken

Organization: Business Education Department, Emporia State University 1200 Commercial, Emporia, KS 66801.

Telephone: (913) 343-1200.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-133-07.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $503.

Descriptors: Auto-Parts-Clerks. Curriculum-Guides. Data-Processing. Distributive-Education. Job-Training. Marketing. Sales-Occupations. Warehouses.

Identifiers: State. Proposal

Occupations in the parts counter-sales-warehousing-data processing industry will be identified. A curriculum guide which would incorporate training in these jobs into existing postsecondary marketing and distributive education programs will be developed and field-tested.

KS8313303.

Kansas Information and Word Processing Curriculum Guide Update.

Project Director: Groneman, Nancy

Organization: Emporia State University 1200 Commercial, Emporia, KS 66801.

Telephone: (316) 343-1200.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-133-08.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $800.

Descriptors: Business-Education. Computer-Oriented-Programs. Curriculum-Guides. Microcomputers. Textbook-Content.

Identifiers: State. Proposal. *Word Processing.

Current microcomputer usage in business classes will be identified, and the word processing guide will be revised to reflect current trends. A section on microcomputer usage will be added to the guide which will be disseminated to interested vocational teachers.

KS8313304.

Revise and Update the Kansas Nursing Home Aide Curriculum.

Project Director: Scott, Robert

Organization: Department of Adult and Occupational Education Kansas State University, Manhattan, KS 66506.

Telephone: (913) 532-5939.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-133-10.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $2,000.

Descriptors: Curriculum-Guides. Federal-Regulation. Nurses-Aides. Nursing-Homes. State-Standards.

Identifiers: State. Proposal.

The Kansas nursing home aid curriculum will be revised to meet current state standards and practices. State and federal regulations will be consulted, and curriculum from other states will be evaluated for adaptability to the Kansas program. The revised curriculum guide will be available to vocational health occupations instructors statewide.

KS8313305.

Microcomputers in Vocational Home Economics Classrooms.

Project Director: Hrabik, Don

Organization: U.S.D. #512 7235 Antioch Road, Shawnee Mission, KS 66202.

Telephone: (913) 384-6800.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-133-11.

Funding Period: Start Date 01 Aug 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,000.

Descriptors: Bibliographies. Child-Development. Clothing-Design. Computer-Assisted-Instruction. Computer-Programs. Dietetics. Home-Economics-Education. Home-Furnishings. Housing. Microcomputers. Remedial-Programs.

Identifiers: State. Proposal.

The use of microcomputers in vocational home economics classrooms will be accomplished through updating teaching methods and making programmed software available. Computer assisted remedial classes also will be provided. Software on dietary planning, housing and home furnishings, child development, and clothing design will be evaluated for inclusion. A curriculum unit for computer assisted instruction and a software bibliography will be developed. Statewide inservice teacher education for this program will be conducted. The unit and the bibliography will be available to home economics teachers throughout Kansas.

KS8313306.

Adapt and Review Methods, Materials, and Curriculum for Integrating Entrepreneurship Concepts into Occupational Home Economics Education Programs.

Project Director: Walle, Barbara

Organization: Salina Area Vocational Technical 2562 Scanlan, Salina, KS 67401.

Telephone: (913) 825-2261.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-133-12.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $500.

Descriptors: Home-Economics-Teachers. Instructional-Materials. Learning-Modules. Occupational-Home-Economics. Teaching-Methods.

Identifiers: State. Proposal. *Entrepreneurship.

Instructional units on entrepreneurship to use in home economics related occupational programs will be developed. A committee composed of occupational home economics teachers and coordinators will do research on available references and resources and develop ten instructional units for field-testing and evaluation.

KS8313307.

FY 1983 Vocational Curriculum Inservice, Development, and Dissemination.

Project Director: Slapar, Frank

Organization: Pittsburg State University Pittsburg, KS 66762.

Telephone: (316) 231-7000.

Sponsoring Agency: Kansas State Dept. of Education, Topeka.

Contract/Control No.: CN: 83-133-02.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $37,000.

Descriptors: Catalogs. Delivery-Systems. Inservice-Education. Instructional-Materials. School-Districts.

Identifiers: State. Proposal.

A catalog listing curriculum materials available through the Kansas Vocational Curriculum Dissemination Center will be produced along with ordering information. Curriculum materials also will be produced and disseminated. Kansas teachers will be assisted in locating specialized curriculum through national searches, and local education agencies will be provided with inservice sessions on curriculum availability, selection, and use. Ten statewide display centers will be maintained. A final report will be delivered.

Kentucky

Research (Sec. 131)

KY8313105.
Postsecondary/High Technology Planning: Program and Vocational School Model Development.
Project Director: White, Pat
Organization: Kentucky Department of Education, Bureau of Vocational Education 2106 Capital Plaza Tower, Frankfort, KY 40601.
Telephone: (502) 564-2326.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: X04-880-03-3F.
Funding Period: Start Date 01 Mar 83; End Date 30 Jun 83.
Fiscal Year Funding: $29,900.
Descriptors: Allied-Health-Occupations-Education. Business-Education. Delivery-Systems. Industrial-Education. Office-Occupations-Education. Program-Development. School-Business-Relationship. School-Catalogs. Systems-Development.
Identifiers: State. Proposal.

Representatives from business and industry will be involved in identifying new programs and assisting in identifying academic and technical competencies needed for obtaining and succeeding in a job. Competencies will be identified in health (electromedical technology-biomedical, controlled infusion), industrial education (electronics, drafting (CAD/CAM) machine shop (CNC), instrumentation), and business and office areas (computer technology). Labor force projections, a plan, and a program design will be generated for each area. A new delivery system model for postsecondary vocational education will be developed and printed as a student catalog that describes the system from preenrollment to placement. Local teachers and administrators will receive inservice training to implement curriculum changes and the new model. A final report will be delivered.

KY8313106.
Admission Standards Development for Postsecondary Vocational Education.
Project Director: Murrell, Delmus
Organization: Kentucky Department of Education, Bureau of Vocational Education 2107 Capital Plaza Tower, Frankfort, KY 40601.
Telephone: (502) 564-2326.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: X04-880-04-3F.
Funding Period: Start Date 01 Mar 83; End Date 30 Jun 83.
Fiscal Year Funding: $2,100.
Descriptors: Academic-Standards. Admission-Criteria. Policy-Formation. Program-Development. State-Programs. Success.
Identifiers: State. Proposal.

Postsecondary vocational education admission standards for each program area will be developed. Present standards will be reviewed as well as sample current standards from other sources. New standards will be generated by a committee, and a consultant will review the outcomes. The completed standards will be included in the Kentucky State Bureau of Vocational Education's Policy and Procedures Manual.

Exemplary and Innovative (Sec. 132)

KY8313201.
Vocational Preparation for the Adult Handicapped.
Project Director: Corwin, Jack
Organization: Northern Kentucky State Vocational School, Vocational Region Seven Amsterdam Road, Covington, KY 41011.
Telephone: (606) 292-2760.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: G518HE013F; G518HE013S.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $16,213.
Descriptors: Adult-Vocational-Education. Disabilities. Job-Placement. Job-Training. Prevocational-Education. Vocational-Aptitude.
Identifiers: State. Proposal.

Special services will be provided to handicapped students aged 16 and over with a wide range of disabilities. Vocational assessment will be refined to include interest, educational, life skills, and vocational aptitude testing. Prevocational classes (including remedial academics, basic skills, and social skills) and specific job training programs will be available, as well as assistance with job placement. A final report will be produced.

KY8313202.
Fayette County Vocational Assessment Center for the Handicapped.
Project Director: Nelson, Delores
Organization: Fayette County School Division of Special Pupil Services, Fayette County Schools, 701 East Main Street, Lexington, KY 40506.
Telephone: (606) 259-1411.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: V248HE623F.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $36,212.
Descriptors: Classification. Computer-Oriented-Programs. Disabilities. Guides. Handicap-Identification. Individualized-Education-Programs. Job-Placement. Student-Placement.
Identifiers: State. Proposal.

A vocational assessment center will be established which will prepare handicapped students for vocational education and for placement in area workshops and jobs. A manual will be developed for the vocational assessment of categories of handicaps. A system will be designed for the computer matching of the handicapped to appropriate jobs. Inservice training will be conducted for school personnel using assessment information to assist students. Products to be delivered will include reports, journal articles, vocational assessment manual, and a manual on using vocational evaluation as the basis for individualized education programs.

KY8313203.
Improving Equal Access in Vocational Education.
Project Director: Potts, Katherine
Organization: Kentucky Department of Education 2031 Capital Plaza Tower, Frankfort, KY 40601.
Telephone: (502) 564-6916.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: X04 880 02 3F.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $29,600.
Descriptors: Access-To-Education. Educational-Discrimination. Equal-Education. Program-Development. Sex-Fairness. Site-Analysis. Vocational-Schools.
Identifiers: State. Proposal.

Methods to overcome discrimination in vocational education programs will be developed and implemented. Counselors, administrators, and teachers will review statistical data and information about policies, procedures, and course descriptions to identify discrimination practices. Site visits will be conducted at vocational schools to analyze enrollment trends. Inservice programs will be held to familiarize staff with civil rights laws. A procedure for securing feedback from the sex equity model programs for program improvement will be developed and implemented. Evaluation will be performed through additional site visits. Deliverables will include a compliance annual report, ideas for improvement in sex equity model programs, quarterly progress reports, and an annual research report.

KY8313204.

Student Organization Responsiveness for Dropout Prevention.

Project Director: Kelley, Robert L.

Organization: Kentucky Department of Education, Bureau of Vocational Education 2125 Capital Plaza Tower, Frankfort, KY 40601.

Telephone: (502) 564-3775.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $8,000.

Descriptors: Dropout-Prevention. School-Holding-Power. Student-Organizations. Student-Participation.

Identifiers: State. Proposal. Distributive Education Clubs of America. Future Business Leaders of America. Future Farmers of America. Future Homemakers of America. Health Occupation Students of America. Vocational Industrial Clubs of America.

Student organization advisors will discuss dropout problems in the local school district or specific schools. Organization representatives then will meet to discuss program activity ideas. Each chapter will submit a plan of action for a 'stay-in-school' campaign, and the activities will be implemented and evaluated. The plans of action and conceptual models will be delivered.

KY8313205.

Supplement to Learning Center Handbook.

Project Director: Hodge, Eileen A.

Organization: Jefferson County Public Schools Fairdale High School, Fairdale, KY 40118.

Telephone: (502) 366-1467.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Funding Period: Start Date 19 Jul 82; End Date 15 Mar 83.

Fiscal Year Funding: $2,512.

Descriptors: Computer-Oriented-Programs. Guides. Instructional-Materials. Learning-Centers-Classroom.

Identifiers: State. Proposal.

The supplement developed for the handbook will address differences between the academic-vocational program and the more traditional vocational programs and the use of technological advances in the computer field. Types and uses of computers which can be used by students in integrated academic and vocational education programs will be identified, as well as instructional materials to be used with these computers. An organizational plan for daily operation of learning centers will be developed. A system will be implemented which maximizes use of the Life Survival Task Assignment Sheets. Statewide input will be solicited through questionnaires. The supplement will be written, edited, and evaluated by learning center coordinators via questionnaire. The supplement and questionnaire responses will be delivered.

KY8313206.

Dropout Prevention in Hart County.

Project Director: Strange, Wandel D.

Organization: Hart County Board of Education Munfordville, KY 42765.

Telephone: (502) 524-2631.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Funding Period: Start Date 01 Sep 82; End Date 30 Jun 83.

Fiscal Year Funding: $36,200.

Descriptors: Career-Development. Career-Exploration. Community-Involvement. Cooperative-Programs-Counseling-Services. Dropout-Prevention. Guides. Occupational-Information. Parent-Participation. School-Holding-Power. Student-Organizations. Tutorial-Programs. Work-Experience-Programs.

Identifiers: State. Proposal.

A dropout prevention program will be developed to increase the holding power of Hart County Schools. The student-centered community-oriented dropout prevention and career development program will contain the following components: (1) a four-week work experience rotation factor and cooperative work program potential; (2) tutorial assistance for work expenses; (3) career exploration/development in-school activities; (4) counseling services to include an assessment, resource, and selection committee; and (5) parent-community involvement to include attitude formation and development of work experience sites. Experimental trial activities will be organized, and student organization activities will be reviewed and encouraged. A job description handbook or file will be developed. A formative evaluation will be conducted and the summative evaluation will be an analysis of the year-end dropout rate. The job description handbook or file, a quarterly report, and an annual report will be delivered.

KY8313207.

Dropout Prevention Program in Russell County.

Project Director: Phelps, Linda

Organization: Russell County Board of Education PO Box 260, Jamestown, KY 42629.

Telephone: (502) 343-3191.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Contract/Control No.: CN: P78-8DE-01-3F.

Funding Period: Start Date 01 Nov 82; End Date 30 Jun 83.

Fiscal Year Funding: $3,000.

Descriptors: Career-Guidance. Career-Exploration. Counseling-Services. Disadvantaged-Youth. Dropout-Prevention. Field-Trips. Grade-8. Grade-9. Job-Skills. Program-Development. Tutoring.

Identifiers: State. Proposal.

In the county-wide program developed, the target group will be eighth and ninth graders, but a K-7 program will also be implemented. A multi-faceted academic/career exploration approach will be used. Activities to be incorporated into the curriculum will include (1) career research, (2) employability skills, (3) hands-on activities, (4) field trips, (5) guest speakers, (6) 'shadowing' experiences, (7) tutoring, and (8) counseling. Program products will include the conceptualized program, management activities, and achievements of the effort. An external evaluation by vocational education and student services monitors will determine if the program is successful and if it should serve as a prototype. Observation, grades, and attendance will also be documented, and a final report will be delivered.

KY8313208.

Software Review: Learning Center.

Project Director: Hampton, Nancy F.

Organization: Bureau of Vocational Education 2109 Capital Plaza Tower, Frankfort, KY 40601.

Telephone: (502) 564-2326.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Contract/Control No.: CN: XO4-8DE-01-3F.

Funding Period: Start Date 30 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $4,525.

Descriptors: Communication-Skills. Computer-Programs. Computers. Evaluation-Methods. Learning-Centers-Classroom. Mathematics. Reading-Skills. Summative-Evaluation. Technical-Assistance.

Identifiers: State. Proposal.

Learning center teachers will be provided with technical assistance concerning knowledge of computer software availability, cost of software, and knowledge of machine compatibility. Information on critiques conducted by other states and institutions will be reviewed, and a software evaluation instrument will be designed. Software vendors will be contacted to determine availability of education software in the areas of mathematics, reading, and communication skills. A review area will be organized with a microcomputer, printer, and appropriate peripheral hardware needed for evaluation. The software then will be reviewed and a critique file maintained. Progress and final reports will be delivered.

KY8313209.

Dissemination, Utilization, and Vocational Awareness.

Project Director: Compton, Gene

Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.

Telephone: (502) 562-2000.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Contract/Control No.: CN: X04880013F.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 82.

Fiscal Year Funding: $28,000.

Descriptors: Educational-Television. Information-Dissemination. Publications. Publicity. Public-Relations. Radio.

Identifiers: State. Proposal.

'Tempo,' a vocational education insert into the Department of Education's ED NEWS, will be developed, edited, printed, and disseminated three times a year to appropriate vocational employees in Kentucky. Research and exemplary products and final reports will be disseminated to appropriate institutions. Additionally, twelve television and six radio programs on requested educational topics will be produced.

KY8313210.

Fairdale Academic and Vocational Project.

Project Director: Stewart, Loretta

Organization: Jefferson County School Dawson Annex, 3442 Preston Highway, Louisville, KY 40213.

Telephone: (502) 361-9251.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Contract/Control No.: CN: H24880013F.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 82.

Fiscal Year Funding: $136,200.

Descriptors: Acceleration. Articulation-Education. Basic-Skills. Competency-Based-Education. Remedial-Programs. Technical-Education.

Identifiers: State. Proposal.

Competency-based curriculum will be developed which integrates basic skills and vocational-technical education. Administration will be arranged to allow for interaction between academic and vocational components of the school. Remediation and acceleration of individual students will be provided. A workshop before the opening of school will introduce teachers to the changes.

KY8313211.

Curriculum for the Disadvantaged.

Project Director: Kennedy, Elsie

Organization: Bureau of Vocational Education Twentieth Floor, Capital Plaza Tower, Frankfort, KY 40601.

Telephone: (502) 564-3472.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Contract/Control No.: CN: X048DE013F.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $36,000.

Descriptors: Curriculum-Evaluation. Delivery-Systems. Disadvantaged. Instructional-Materials. Models.

Identifiers: State. Proposal.

Planning, evaluation, and curriculum materials for the disadvantaged will be reviewed and edited, and a model will be designed for delivery of employability skills. Draft reports will be developed for special evaluation activities. Edited materials will be field-tested in selected state vocational schools. Results will be studied and materials revised as necessary.

Curriculum Development (Sec. 133)

KY8313301.

Develop Agricultural Production Modules—Phase 2.

Project Director: Snodgrass, H. M.

Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.

Telephone: (502) 564-2000.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Contract/Control No.: CN: X04820013F.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $55,174.

Descriptors: Agricultural-Production. Audiotape-Recordings. Instructional-Materials. Learning-Modules. Slides. Teaching-Guides.

Identifiers: State. Proposal.

Agricultural production modules at the secondary level will be developed based on a validated task list. Slide-tape presentations and media and an instructor's manual also will be developed to accompany the modules. Inservice workshops will be conducted for writers contracted to write the modules, which will be reviewed by project directors and through field tests and the revision process. Quarterly progress reports and camera-ready copies of the materials will be produced.

KY8313302.

Small Business Ownership and Management.

Project Director: Sparks, Mavis

Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.

Telephone: (502) 564-2000.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Contract/Control No.: CN: X04820013F.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $8,740.

Descriptors: Business-Administration. Business-Education. Field-Tests. Instructional-Materials.

Identifiers: State. Proposal. *Small Business Management.

A model curriculum in small business ownership will be field reviewed along with a small business ownership and management manual. Field test suggestions will be used in revision of the model, and copies will be printed for implementation. Deliverables will include competency-based curriculum materials for review and the business and management curriculum manual for small business ownership.

KY8313303.

Drafting.

Project Director: Briscoe, Melissa

Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.

Telephone: (502) 564-2000.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Contract/Control No.: CN: X04820013F.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $33,246.

Descriptors: Behavioral-Objectives. Drafting. Instructional-Materials. Learning-Modules. Teaching-Guides.

Identifiers: State. Proposal.

Performance objectives and seventy-five modules for a postsecondary level drafting curriculum will be written, edited, and printed. References and audiovisual materials to complement these materials will be identified. Slide-tape presentations will be developed along with a teacher's guide. Teachers and students will field-test the complete package. In addition to this package, a list of curriculum materials which can be used to teach drafting tasks will be produced.

KY8313304.

Food Preparation Worker 2.

Project Director: Russell, Judy

Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.

Telephone: (502) 564-2000.

Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.

Contract/Control No.: CN: X04820013F.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,163.

Descriptors: Curriculum-Evaluation. Food-Service. Learning-Modules. Teaching-Guides.

Identifiers: State. Proposal.

Modules, instructor's guide sheets, and an instructor's manual for Food Preparation Worker 2 will be developed, reviewed and edited by the in-house review committee, and prepared for printing. Forty-two modules and one instructor's manual will be produced.

KY8313305.

Field Test Phase 1 of Agricultural Production Modules.

Project Director: Snodgrass, H. M.
Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.
Telephone: (502) 564-2000.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: X04820013F.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $27,616.
Descriptors: Agricultural-Production. Audiotape-Recordings. Farm-Management. Field-Tests. Slides. Teaching-Guides.
Identifiers: State. Proposal.

Field tests of 100-125 livestock production and farm management modules, slide-tape presentations, and an instructor's manual for agricultural production will be performed at four sites. An inservice workshop will be conducted for participating teachers. Suggestions from field test teachers will be incorporated into revision of materials, which will be printed for statewide implementation.

KY8313306.
Practical Arts Career Competency-based Vocational Education.
Project Director: Keeton, Martha
Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.
Telephone: (502) 564-2000.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: X04820013F.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $12,384.
Descriptors: Audiovisual-Aids. Business-Education. Career-Exploration. Communications. Competency-Based-Education. Practical-Arts. Teaching-Guides.
Identifiers: State. Proposal.

One hundred task assignment sheets will be developed for secondary level practical arts clusters. Tasks will be identified for the following areas: business and office, industrial communications, communications and media, construction, manufacturing, transportation, agribusiness and natural resources, environment, personal service, and marine science. Instructor's manuals and slide-tape presentations also will be developed for designated clusters.

KY8313307.
Resource Center for Special Vocational Programs and Curriculum for Special Needs.
Project Director: Kennedy, Al
Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.
Telephone: (502) 564-2000.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: X048DC013F.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $55,950.
Descriptors: Competency-Based-Education. Disabilities. Disadvantaged. Instructional-Materials. Resource-Materials.
Identifiers: State. Proposal.

Resource materials will be collected, prepared, and disseminated to vocational and special education teachers who teach disadvantaged and handicapped learners. Competency-based curriculum materials will be prepared, and teachers will be given assistance in the use of these materials; inservice workshops will be provided. A catalog of free-loan materials and an evaluation survey containing teacher suggestions on materials and services will be delivered.

KY8313308.
Field Test Health Services Modules.
Project Director: Briscoe, Melissa
Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.
Telephone: (502) 564-2000.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: X04820013F.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $7,628.
Descriptors: Allied-Health-Occupations-Education. Audiotape-Recordings. Curriculum-Evaluation. Field-Tests. Health-Services. Slides. Teaching-Guides.
Identifiers: State. Proposal.

Twenty-six secondary level health services modules, slide-tape presentations, and an instructor's manual will be field-tested at four sites. Suggested revision input from the field test teachers will be compiled and used in the revision of health services materials, which will be printed for statewide distribution and implementation.

KY8313309.
Field Review of Retailing 1, 2 and 3.
Project Director: Briscoe, Melissa
Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.
Telephone: (502) 564-2000.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: X04820013F.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $5,289.
Descriptors: Behavioral-Objectives. Competency-Based-Education. Field-Tests. Retailing. Slides. Task-Analysis. Teaching-Guides.
Identifiers: State. Proposal.

Three teachers will field review and revise seventy-eight competency-based modules for Retailing 1 and 2; accompanying slide-tape presentations and instructor's manuals also will be delivered. Task and performance objectives for Retailing 3 will be finalized into an instructional sequence, and an instructor's manual will be prepared listing tasks and resources that can be used with the tasks.

KY8313310.
Electronics.
Project Director: Briscoe, Melissa
Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.
Telephone: (502) 564-2000.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: X04820013F.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $57,412.
Descriptors: Audiovisual-Aids. Electronics. Instructional-Materials. Learning-Modules. Teaching-Guides.
Identifiers: State. Proposal.

A competency-based curriculum package including approximately eighty modules, audiovisual presentations, and an instructor's manual will be developed for postsecondary level electronics and electronics mechanics courses. Tasks will be sequenced and performance objectives developed for each task. Existing materials will be reviewed, and suitable reference and audiovisual materials from other sources will be identified to complement the package.

KY8313311.
Revision of Two Competency-based Vocational Education Curriculum Packages.
Project Director: Briscoe, Melissa
Organization: Office of Research and Planning Nineteenth Floor, Capital Plaza Tower, Frankfort, KY 40601.
Telephone: (502) 564-2000.
Sponsoring Agency: Kentucky State Dept. of Education, Frankfort.
Contract/Control No.: CN: X04820013F.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $23,048.
Descriptors: Audiotape-Recordings. Learning-Modules. Office-Occupations-Education. Secretaries. Slides. Teaching-Guides. Welding.

Identifiers: State. Proposal.

Revisions will be made in sixty-two secretarial and seventy-seven welding modules and their accompanying slide-tape presentations and instructor's manuals to make them competency-based. Teachers will be surveyed for suggested revisions and a review committee will study these suggestions, make corrections, write additional modules as necessary, and have new materials printed.

Louisiana

Research (Sec. 131)

LA8313101.

Consumer and Homemaking Curriculum Analysis Based on the Needs of Secondary Graduates.

Project Director: Stewart, Barbara L.; Daniel, Ellen

Organization: University of Southwestern Louisiana Lafayette, LA 70504.

Telephone: (318) 231-6577.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Contract/Control No.: CN: 660-3039.

Funding Period: Start Date 01 Jan 83; End Date 31 May 83.

Fiscal Year Funding: $5,600.

Descriptors: Consumer-Education. Educational-Assessment. Graduate-Surveys. Home-Economics.

Identifiers: State. Proposal.

Consumer and homemaking tasks will be identified through a synthesis of the literature as the basis for a questionnaire to be mailed to secondary education students in seven parishes who graduated during 1979-82 and who had been enrolled in home economics courses. The questionnaire will survey whether consumer and homemaking tasks were taught, were useful, and/or were not taught but were needed. Returned questionnaires will be analyzed by frequency distribution.

LA8313102.

Effect of Sexist Communication Patterns of Career Choices.

Project Director: Beniot, Sallye S.

Organization: Nicholls State University Thibodaux, LA 70310.

Telephone: (504) 446-8111.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Contract/Control No.: CN: 660-3036.

Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.

Fiscal Year Funding: $2,984.

Descriptors: Career-Choice. College-Freshmen. Enrollment-Influences. Language-Usage. Nontraditional-Occupations. Sex-Bias.

Identifiers: State. Proposal.

An instrument will be developed to determine if career choices of college freshmen have been influenced by sexist communication patterns. The instrument will be validated by testing it with a randomly selected group of college freshmen at Nicholls State University. Inferences will be derived from the validation procedures. Results will enable educators to analyze why members of the opposite sex do not enter nontraditional programs. A future project is planned to provide substantiating evidence.

LA8313103.

An Investigative Word Processing Training Program for Business Education Teachers in Louisiana Secondary Schools.

Project Director: Seaward, Marty R.

Organization: Southeastern Louisiana University Hammond, LA 70402.

Telephone: (504) 549-2335 or (504) 345-5345.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Contract/Control No.: CN: 660-3038.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $5,578.

Descriptors: Business-Education-Teachers. Inservice-Teacher-Education. Resource-Materials. Teaching-Methods. Word-Processing.

Identifiers: State. Proposal.

Vocational business education teachers in seven parishes will participate in a workshop to learn about equipment currently being used and available instructional resources and methods for use in teaching word processing at the high school level. Evaluation will include a pretest-posttest of participants and effectiveness of the program. The project will provide a tested instructional model for use by other institutions in Louisiana.

LA8313104.

Sex Stereotyping and Sex Bias: A Study of Educators' Attitudes Regarding Vocational Home Economics Programs.

Project Director: Mears, Ruth Anne

Organization: Louisiana Tech University Ruston, LA 71272.

Telephone: (318) 257-4412.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Contract/Control No.: CN: 660-3034.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 84.

Fiscal Year Funding: $7,072.

Descriptors: Home-Economics. School-Surveys. Sex-Bias. Sex-Role. Sex-Stereotypes. Teacher-Attitudes.

Identifiers: State. Proposal.

Questionnaires will be mailed to home economics teachers, guidance counselors, and principals at two hundred randomly selected high schools offering home economics programs. The questionnaires will survey attitiudes regarding the following: sex-role orientation; perceptions of sex-appropriate behaviors; attitudes towards males and females who take home economics; and attitudes toward vocational home economics curriculum and career opportunities in home economics. Statistical analysis of the data will be performed with background variables used to determine possible sources of variance among groups. Results will be compiled, and a summary project will be shared with educators through the state department of education.

LA8313105.

Computer Literacy Development.

Project Director: Kapp, Ann B.

Organization: Northeast Louisiana University Monroe, LA 71291.

Telephone: (318) 342-2155.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Contract/Control No.: CN: 660-3037.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $17,900.

Descriptors: Computer-Literacy. Educational-Administration. Teacher-Attitudes. Teacher-Workshops.

Identifiers: State. Proposal.

A summer workshop will be held for twenty selected vocational educators. The workshop is intended to find whether it is possible to change the attitudes of vocational educators concerning computers, to identify ways microcomputers can be used in the classroom and administratively to improve vocational education in the state, to develop computer literacy, and to find out how microcomputers have been used in other states. Findings of a questionnaire submitted to chief vocational educators in each state and results obtained from the summer workshop will be made available to vocational educators in Louisiana to encourage acceptance of microcomputers for teaching and administrative use.

LA8313106.

Factors Influencing Vocational Teacher Change and Implications for Teacher Education Curricula.

Project Director: Burnett, Michael F.; Harrison, Betty C.

Organization: Louisiana State University School of Vocational Education, Baton Rouge, LA 70803.

Telephone: (504) 388-5748 or (504) 338-2281.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Contract/Control No.: CN: 660-3035.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 84.

Fiscal Year Funding: $7,019.

Descriptors: Stress-Variables. Teacher-Employment. Teacher-Response.

Identifiers: State. Proposal.

A proportional random sample of teachers from selected service areas of vocational education will be surveyed to identify major employment stress factors and the relationship of these factors to career change. Specific objectives will include the following: identifying principal stress factor as perceived by selected vocational teachers in Louisiana; determining the degree of stress of each identified factors perceived by vocational teachers; prescribing provisions to alleviate/decrease the perceived stress factors; and comparing responses of the teachers among the service areas investigated. Collected data will be analyzed, interpreted, and reported.

LA8313107.
The Relationships of Vocational Training to Occupational Opportunities by Sex of Person.

Project Director: Colvin, Margaret
Organization: Louisiana Tech University Ruston, LA 71272.
Telephone: (318) 255-4517.
Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.
Contract/Control No.: CN: 660-3033.
Funding Period: Start Date 01 Jan 83; End Date 31 Jul 83.
Fiscal Year Funding: $9,512.
Descriptors: Education-Work-Relationship. Employment-Patterns. Equal-Opportunities-Jobs.
Identifiers: State. Proposal.

A sample of product manufacturers and schools in eight northern parishes offering vocational training will be randomly selected and surveyed to examine current job situations and existing vocational training program enrollments for males and females within administrative, clerical, and data processing area of industry. Project objectives will include the following: to determine administrative, clerical, and data processing jobs by sex; to assess administrative, clerical, and data processing vocational trainees by sex; and to examine relationships between vocational jobs and vocational training by sex. Study results will serve several purposes. First, vocational schools will be more aware of current technical positions and sex distributions within those positions, to allow them to better advise students concerning the current job market. Second, vocational schools will have the opportunity to assess the distribution of students by sex within their programs and to evaluate the sex equity of their recruitment policies for students. Third, local industries will be able to compare their distributions of employees in vocational positions by sex with other industries within the same geographical region of the state to allow the companies to evaluate current hiring practices with respect to the number of potential workers available for future employment. Analysis of data should produce results to be used to suggest development by vocational schools and university associate programs to better meet training needs of women in the competitive job market. Results will be disseminated through state and national professional publications and conference reports.

Exemplary and Innovative (Sec. 132)

LA8313201.
Computer Assisted Instruction.

Project Director: Harelson, Eddie.
Organization: Jefferson Davis Parish School Board PO Box 640, Jennings, LA 70546.
Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.
Funding Period: Start Date 01 Jan 83; End Date 30 Jun 84.
Fiscal Year Funding: $10,885.
Descriptors: Agricultural-Education. Computer-Literacy. Computer-Oriented-Programs.
Identifiers: State. Proposal. Hands On Experience.

At the beginning of the school year, all agriculture students will be taught computer literacy through lecture and hands-on procedures. As students progress in their SOEs, they will enter their expenses and income into the microcomputer. A rotating class schedule will provide the computer time necessary to make individual entries. Selected instructional computer programs that coincide with traditional Agriculture 1 subjects will be presented to all students through group demonstrations. Agriculture 2 students will be allowed to explore all agriculture programs offered on an individual basis. Again, a rotating schedule will be used. Agriculture 3 and 4 students and parents will be visited to revise their agriculture educational contract. At this meeting, the potential of computer instruction as a means of reaching career objectives will be identified. Plans will be made to include the microcomputer in each student's individual instruction.

LA8313202.
A Counselor Training Program To Reduce Sex Stereotyping and Bias in Vocational Education for Louisiana Schools.

Project Director: Williams, Jim
Organization: Louisiana Tech University Ruston, LA 71272.
Telephone: (318) 257-2292.
Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.
Contract/Control No.: CN: 660-3049.
Funding Period: Start Date 01 Jan 83; End Date 30 Sep 83.
Fiscal Year Funding: $14,464.
Descriptors: Career-Counseling. School-Counselors. Sex-Fairness. Student-Attitudes. Workshops.
Identifiers: State. Proposal.

Counselors will be trained to deliver nonsexist vocational counseling. Information will be obtained about sex differences in students' perceptions of needs for vocational counseling. School counselors' awareness of sex bias and stereotyping and awareness of sexist aspects of vocational counseling will be increased. Counselors attending workshops will be provided with new skills for implementing nonsexist counseling. The impact of the workshops will be determined through follow-up studies.

LA8313203.
Updating Data Processing/Office Machine Courses with Microcomputer.

Project Director: Oubre, David J.
Organization: Ascension Parish School Board PO Box 189, Donaldsonville, LA 70346.
Telephone: (504) 387-3210 or (504) 473-7981.
Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.
Funding Period: Start Date 01 Jan 83; End Date 31 Aug 83.
Fiscal Year Funding: $29,585.
Descriptors: Computer-Literacy. Computers. Data-Processing. Microcomputers. Office-Machines. Word-Processing.
Identifiers: State. Proposal.

Data processing and office machine courses will be updated. Data processing and its relationship to computers will be taught. Students will be taught computer literacy and word processing skills. Business education teachers will be retrained. Fifteen computers with disk drives and printers will be purchased for word and data processing courses.

LA8313204.
Enhancing Students' Learning Activities in Computer Maintenance Electronics Field Experiences with Computer Terminal Servicing.

Project Director: Bouregeois, P. A.
Organization: Sullivan Vocational-Technical Institute 1710 Sullivan Drive, Bogalusa, LA 70427.
Telephone: (504) 735-8291.
Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.
Contract/Control No.: CN: 660-3050.
Funding Period: Start Date 05 Jan 83; End Date 31 Dec 83.
Fiscal Year Funding: $42,896.
Descriptors: Computers. Electronics. Field-Experience-Programs. Skill-Development. Work-Experience.
Identifiers: State. Proposal. *Computer Technicians. *Hands On Experience.

Students specializing in computer maintenance will develop the skills and field experience necessary for obtaining employment in their field. The electronics department of Sullivan Vocational-Technical Institute will cooperate with neighboring vocational-technical schools in utilizing computer terminals to enrich the existing curriculum with hands-on training. Advanced students will accompany the instructor on service calls. The students will perform all repairs and reports.

LA8313205.

Vocational and Industrial Education for Women (Project VIEW).

Project Director: Geoffrey, Alice R.

Organization: Orleans Parish School Board 4100 Touro Street, New Orleans, LA 70122.

Telephone: (504) 288-6561.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 84.

Fiscal Year Funding: $33,378.

Descriptors: Attitude-Change. Delivery-Systems. Females. Nontraditional-Occupations. Occupational-Information. Sex-Fairness.

Identifiers: State. Proposal.

A model delivery system will be developed to eliminate the effects of past discrimination in the technical and industrial vocational programs in schools and to encourage young women to explore opportunities in nontraditional fields. Objectives will center around the following: provide valid information to students, teachers, educators, and the community about the educational and career opportunities available through vocational education; help female students understand themselves better in relation to the world of work; recruit female students into nontraditional areas; and change the attitudes of educators, parents, students, and the community toward vocational education as a viable alternative to traditional academic areas. Activities will include organizing an advisory committee, developing an information and recruitment model, and promoting vocational education through school and community programs. Formative and summative evaluation will be conducted.

LA8313206.

Home Economics Vocations Exploration and Training.

Project Director: Bates, Charles L.

Organization: Winn Parish School Board PO Box 430, Winnfield, LA 71483.

Telephone: (318) 628-6936.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $41,850.

Descriptors: Career-Exploration. Occupational-Home-Economics. Occupational-Information.

Identifiers: State. Proposal. Hands On Experience.

Modular vocational exploration and training units will be used to implement vocational home economics education at the ninth grade level. In addition to vocational information and related activities, the instructional units will contain information to help students relate careers to the consumer cycle, such as setting up a small business. Through individualized, hands-on, activity-centered instruction, students can explore twenty careers related to home economics. Approximately 190 disadvantaged students will be served.

LA8313207.

Improving Disadvantaged Students' Basic Communication Skills through a Student Response Hands-on Program.

Project Director: Marsh, David W.

Organization: Plaquemines Parish School Board PO Box 83, Pointe-a-la Hache, LA 70082.

Telephone: (504) 333-4311.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $35,400.

Descriptors: Developmental-Programs. Diagnostic-Teaching. Remedial-Programs. Student-Development.

Identifiers: State. Proposal. *Hands On Experience.

Disadvantaged students in Plaquemines Parish will be provided with the necessary remedial communication and basic computation skills for employment. Through a series of vocationally oriented programs consisting of diagnosis, prescription, and evaluation, students' strengths and weaknesses can be identified. Vocational teachers then will be able to prescribe appropriate student activities which will enable the students to gain needed skills. Students will interact with hands-on activities that are remedial as well as developmental using a series of Aquarius self-paced instructional programs. The Aquarius student response system will provide the instructor with the means to individualize instruction. Each prescription will provide relevant experience as related to daily activities in the world of work.

Curriculum Development (Sec. 133)

LA8313301.

Writing Curriculum Guides for Basic Electricity/Electronics and Power/Energy.

Project Director: Eppler, Thomas L.

Organization: Northwestern State University Industrial Education and Technology, Natchitoches, LA 71457.

Telephone: (318) 357-5298.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 84.

Fiscal Year Funding: $19,565.

Descriptors: Curriculum-Guides. Electricity. Energy. Industrial-Arts.

Identifiers: State. Proposal.

Curriculum guides for basic electricity/electronics and power/energy will be written by teams composed of ten industrial arts specialists. The ten will be divided into two teams of five each, one team for each guide to be written. The guides will be written for industrial arts curriculum at the sixth to twelfth grade level.

LA8313302.

Development of a Business English Curriculum Guide for Secondary Schools in Louisiana.

Project Director: Bridges, Ernestine.

Organization: Rapides Parish School Board Vocational Education, PO Box 1230, Alexandria, LA 71301.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Funding Period: Start Date 01 Dec 82; End Date 30 Jun 84.

Fiscal Year Funding: $22,743.

Descriptors: Business-Education-Teachers. Business-English. Curriculum-Guides.

Identifiers: State. Proposal.

A secondary level business English curriculum guide will be developed after a literature search. The guide will be field-tested and reviewed by a cross section of business English teachers and business representatives before final revision and printing.

LA8313303.

Development of Guidelines for the Summer Phase of Vocational Agriculture Programs.

Project Director: Kotrlik, Joe W.

Organization: Louisiana State University Department of Vocational Agricultural Education, 208 Stubbs Hall, Baton Rouge, LA 70810.

Sponsoring Agency: Louisiana State Dept. of Education, Baton Rouge.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $11,916.

Descriptors: Agricultural-Education. Guidelines. Summer-Programs.

Identifiers: State. Proposal.

Guidelines will be developed for conducting summer vocational agriculture programs. Two opinionnaires will be developed and distributed—one to teacher educators, state staff, and vocational agriculture teachers, and the other to school administrators. The opinionnaires will (a) determine if problems exist in the conduct of summer vocational agriculture programs; (b) develop guidelines for these programs; (c) determine what factors, if any, hinder the effectiveness of these programs; and (d) ascertain the value of these programs to the overall vocational agriculture program.

Maryland

Curriculum Development (Sec. 133)

MD8313301.

Maryland Vocational Curriculum Production Project.

Project Director: Reynolds, Edgar W.

Organization: Western Maryland Vocational Resource Center PO Box 5448, McMullen Highway, Cresaptown, MD 21501.

Telephone: (301) 729-8950.

Sponsoring Agency: Maryland State Dept. of Education, Baltimore.

Contract/Control No.: CN: 0172.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $165,000.

Descriptors: Catalogs. Information-Dissemination. Instructional-Materials. Material-Development. Resource-Materials. Teaching-Guides.

Identifiers: State. Proposal. Vocational Technical Education Consortium States.

Curriculum materials to be printed, produced, and distributed on a statewide basis will include 50 state instructional guides, 30 Vocational-Technical Education Consortium of States (V-TECS) catalogs, and 6000 copies of 4 editions of a resource review. Production and dissemination activities will be assigned priorities and completed in cooperation with the state liaison representative and the manager of the Vocational Curriculum Management System.

MD8313302.

Maryland Vocational Curriculum Research and Development Center.

Project Director: Woodhull, James

Organization: Industrial Education Department, University of Maryland College Park, MD 20742.

Telephone: (301) 454-2260.

Sponsoring Agency: Maryland State Dept. of Education, Baltimore.

Contract/Control No.: CN: 0174.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $200,000.

Descriptors: Catalogs. Curriculum-Study. Information-Dissemination. Instructional-Materials. Library-Catalogs. Plumbing. Teaching-Guides.

Identifiers: State. Proposal. Vocational Technical Education Consortium States.

Within the Maryland Vocational Curriculum Management System, the center will provide curriculum development, research, and diffusion services, maintaining a resource center for vocational curriculum materials and a loan library accessible to Maryland vocational educators. Additionally, consultation and technical assistance will be provided to vocational education agencies in Maryland. Products delivered will include eight instructional guides, editing services for four issues of 'Resource Review,' a catalog for the print loan system, and a Vocational-Technical Education Consortium of States (V-TECS) catalog on plumbing.

Massachusetts

Research (Sec. 131)

MA8313101.

A Study of the Validity of Admissions Criteria Used in Secondary Vocational Schools in Massachusetts.

Project Director: Kayser, Terrence F.

Organization: Technical Education Research Centers, Inc. 44 Brattle Street, Cambridge, MA 02138.

Telephone: (617) 547-0430.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 431-121-3-2709-7 (01-805).

Funding Period: Start Date 01 Jan 83; End Date 31 Dec 83.

Fiscal Year Funding: $99,975.

Descriptors: Access-To-Education. Administrator-Guides. Admission-Criteria. School-Policy.

Identifiers: State. Proposal.

The validity and equity of admissions policies and practices will be studied in selected Massachusetts secondary schools offering vocational education programs. From this, a model admissions handbook will be developed to provide vocational educators with nondiscriminatory and valid policies and procedures. The handbook is intended for use in secondary vocational education schools to increase the enrollment of priority populations. Five hundred copies of the handbook and a final report will be delivered.

Exemplary and Innovative (Sec. 132)

MA8313201.

Basic Vocational Language and Skills Training Program.

Project Director: Dzerkacz, John R.

Organization: Montachusett Regional Technical School District 1050 Westminster Street, Fitchburg, MA 01420.

Telephone: (617) 345-7791.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-161-3-0832-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $56,831.

Descriptors: Computer-Assisted-Instruction. Disabilities. Dropouts. Extended-School-Day. Job-Skills. Limited-English-Speaking. Potential-Dropouts. Summer-Programs.

Identifiers: State. Proposal. *Special Needs Students.

Through an extended day program and multifaceted twenty-day summer program including use of computer software packages, 200 students from priority populations will be able to develop basic vocational and employability skills. The students, half female, include forty handicapped, forty limited-English-proficiency, thirty Asian, ten black, and ten Hispanic persons. Among the students are dropouts, potential dropouts, and students with substantial special needs who have not gained entry into a vocational school. Three service models will be delivered: vocational language and English Language skills instructor; job-related instructor through computerized assistance; and a vocational skills training and evaluative program covering thirteen selected vocational areas. Software developed will include vocational vocabulary and basic tool identification and use. The Division of Employment Security will provide job counseling information to students during and after the conclusion of the summer program.

MA8313202.

Specific Writing Instruction and Training in Computer Hardware (SWITCH).

Project Director: Collins, William J.

Organization: Greater Lowell Regional Vocational-Technical School Pawtucket Boulevard, Tyngsborough, MA 01879.

Telephone: (617) 454-5411.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-162-3-0828-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 01 Sep 83.

Fiscal Year Funding: $70,341.

Descriptors: Computer-Science-Education. Retraining. Skill-Development. Technical-Writing.

Identifiers: State. Proposal. *Displaced Workers.

Thirty displaced workers (half female) will be provided with retraining to enable them to enter the high technology industry as technical computer writers. Former employees will receive one thousand hours of classroom instruction and shop experience to develop technical writing skills. Participants will attend an orientation seminar and assessment workshop, then progress through a scope and sequence of instruction related to computer hardware technical writing; analog, digital, and microprocessing electronics; and Cobol computer programming. A job transitional counseling workshop also will be provided. Staff of the Greater Lowell school will participate in a curriculum development workshop to tailor the curriculum to industry needs; review and revise existing materials and learning activities reflecting sex discrimination, with bachelor's degrees. Project SWITCH will run after regular school days, during school vacations, and Saturdays.

MA8313203.

Skills Training Alternative in Vocational Education.

Project Director: Collins, William J.

Organization: Greater Lowell Regional Vocational-Technical School Pawtucket Boulevard, Tyngsborough, MA 01879.

Telephone: (617) 454-5415.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-161-3-0828-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $47,828.

Descriptors: Career-Guidance. School-Shops. Urban-Areas.

Identifiers: State. Proposal.

Occupational education opportunities will be expanded for seventy-five secondary school students from urban priority populations. The students—including twenty-four females, thirty-two handicapped, twenty disadvantaged, and five limited-English proficient—will be assisted in determining occupational interests and capabilities in four of eight program choices. The students will be encouraged to explore at least one shop area nontraditional for their sex. A support teacher will be assigned to each student to conduct vocational assessment and choice, tutoring in shop-related academic skills, program modification and problem solving, crisis intervention, and programming considerations.

MA8313204.

Application of Computer Literacy to Vocational-Technical Programs.

Project Director: McGaff, Thomas J.

Organization: Greater Fall River Regional School District Stone Haven Road, Fall River, MA 02723.

Telephone: (617) 678-2891.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-161-3-0821-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $100,000.

Descriptors: Computer-Literacy. Computer-Oriented-Programs. Food-Service. Graphic-Arts. Job-Skills. Machinists. Pilot-Projects.

Identifiers: State. Proposal.

A pilot program emphasizing computer literacy will be developed to prepare occupationally skilled workers for current technological advances in industry. Students will be introduced to microcomputers and minicomputers in data processing laboratory environments. Culinary arts students will use the microcomputer for menu planning, inventory control and stock rotation, and financial management. Machine shop students will use a computerized milling machine to supervise the computerized numerical control milling operation to make precision, interchangeable, and identical parts. Graphic arts students will set up and operate a computerized phototypesetting machine to transfer written copy or existing input into camera-ready copy. Supplementary applications from other shops will be possible. The 245 graduates participating in the project include fifty-seven females, twenty-nine handicapped, eighteen disadvantaged, and one limited-English proficient. Additional work stations will be available in a minicomputer laboratory where students can interact with a large-scale operation and develop their own applications. Such computerization in shop areas will attract nontraditional students and provide training to special needs students and others who would not necessarily be able to work with the corresponding manual machinery, thus enhancing their employability.

MA8313205.

Technical Skills for the Eighties.

Project Director: Brennan, Charles A.

Organization: Blue Hills Regional Technical Institute 100 Randolph Street, Canton, MA 02021.

Telephone: (617) 828-5800.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-161-3-0806-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $100,000.

Descriptors: Computer-Science-Education. Enrollment. Job-Training. Pretechnology-Programs. Student-Recruitment.

Identifiers: State. Proposal.

Enrollment in the technical institute of urban students from minority, handicapped, and other priority populations will be increased by an active recruitment program. Project staff will teach applicants weak in communications, math, and science during a pretechnical summer program in preparation for acceptance into regular associate degree and certificate programs in September 1983. Equipment will be purchased in the major fields of high and low technology to bring the vocational programs toward a state-of-the-art status for training at a level acceptable to the employment market in the metropolitan Boston areas. The project counselor will develop and distribute career materials and hold informational meetings in urban centers. About 500 adult, postsecondary students will be provided with intensive computer skills training to prepare them for entry-level and advanced placement in high technology occupations. The population served will include 195 disadvantaged, 190 females, seventeen black, thirteen Hispanic, eight handicapped, six limited-English proficient, and other minorities.

MA8313206.

Maintenance Support Program.

Project Director: Johnson, Steven M.

Organization: Smith Vocational High School 80 Locust Street, Northhampton, MA 01060.

Telephone: (413) 586-6970.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: PN: 405-061-2-0406-5.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $41,103.

Descriptors: Career-Counseling. Disabilities. Entry-Workers. Job-Skills. Mainstreaming. Skill-Development.

Identifiers: State. Proposal. *Special Needs Students.

This project is part of a larger program to provide a comprehensive educational skill training program for special needs learners in grades 9-11. Specifically, handicapped students will be provided with vocational skill training activities and academic and related learning experiences to enable them to demonstrate entry-level performance skills. They then will be mainstreamed. Handicapped students who cannot attain entry-level skills will be trained enough to demonstrate employable skills within the maintenance support program with career guidance and career placement assistance. Counseling will be provided with emphasis on nontraditional roles and on participation in shop learning experiences in nontraditional areas. Additionally, handicapped students will be trained to identify and use tools common to a number of trade areas; will be given math, English, and/or related academic support experiences consistent with their individual education plans to enable them to meet their individual academic potentials; and will be provided vocational skills support on an individual basis plus necessary curriculum modifications to allow them to remain in vocational programs. A summer component of instruction, job placement, counseling and supervision is planned to secure successful career placement.

MA8313207.

Programming-Application/Management.

Project Director: Creedon, Lawrence P.

Organization: Quincy Public Schools 70 Coddington Street, Quincy, MA 02169.

Telephone: (617) 471-0100.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-161-3-0243-7 (02-605).

Funding Period: Start Date 01 May 83; End Date 30 Sep 83.

Fiscal Year Funding: $70,000.

Descriptors: Computer-Science-Education. Disadvantaged-Youth. Job-Skills. Programing.

Identifiers: State. Proposal.

Sixty-four disadvantaged secondary students in grades 10-12 (including 35 females) will be trained using the 'Programming Applications and Management' course to provide needed high-technological skills for employment in local and Boston area labor markets, or for pretechnology training prior to more advanced classes at Quincy Junior College. The skills training program will focus on extensive shop experiences. Proposed equipment purchases include ten work stations and eight microcomputers to provide hands-on use by large numbers of students. The equipment will provide greater software availability to add applications such as graphics, CPM, accounting, management, math, and word processing, thus providing a total system for the business education department. Qualified students will be placed in school and part-time cooperative jobs that use computer skills.

MA8313208.

Programmer.

Project Director: Creedon, Lawrence P.

Organization: Quincy Public Schools 70 Coddington Street, Quincy, MA 02169.

Telephone: (617) 471-0100.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-161-3-0243-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $30,000.

Descriptors: Computer-Science-Education. Data-Processing. Disadvantaged-Youth. Job-Skills. Potential-Dropouts.

Identifiers: State. Proposal.

Entry-level skills training for electronic and data processing occupations will be provided for fifty-nine eleventh and eighty-one twelfth graders who are disadvantaged and unmotivated by school. Students will develop skills in program design, flowcharts, and BASIC and COBOL computer programming languages. The computer education laboratory will be expanded and updated to provide hands-on shop experience. Proposed equipment purchases include sixteen computer terminals, a microcomputer host system, a dot matrix printer, and basic computer accessories, supplies and literature.

MA8313209.

Jobs for Bay State Graduates.

Project Director: Durkin, John E.

Organization: Worcester Public Schools 20 Irving Street, Worcester, MA 01609.

Telephone: (617) 799-3114.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-141-3-0348-3 (01-505).

Funding Period: Start Date 01 Mar 83; End Date 30 Sep 83.

Fiscal Year Funding: $16,000.

Descriptors: Career-Counseling. Community-Involvement. Education-Work-Relationship. High-School-Seniors. Job-Placement. Job-Search-Methods. Low-Achievement. Remedial-Programs. Vocational-Followup. Work-Attitudes.

Identifiers: State. Proposal.

In this comprehensive, localized version of a national program to mobilize support from the participating community, employability and skill training programs will be implemented to improve the school-to-work transition of the low quartile high school students in the graduating class, approximately 180 females and 120 males. Remedial reading and math instruction will be provided for ten hours weekly for twenty weeks to raise competencies of all students to the sixth grade level. Through a career association, small groups of students will spend thirty hours a week for forty weeks learning job-seeking skills and appropriate work attitudes and work habits, using activities and conferences emphasizing motivational and leadership development. Finally, job specialists trained in the JBSG program will work eighteen hours a week for fifty-two weeks advising the career association, seeking entry-level jobs in the private sector, establishing a job bank that will identify entry-level positions, and placing students. The specialists will interview prospective employers, visit students' parents, and follow-up placed students through the first nine months of employment. An in-school advisory committee will be established.

MA8313210.
Jobs for Bay State Graduates.

Project Director: Winfield, Richard

Organization: Taunton School System 120 Conhannet Street, Taunton, MA 02780.

Telephone: (617) 824-6601.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-021-3-0293-4 (01-505).

Funding Period: Start Date 01 Mar 83; End Date 30 Sep 83.

Fiscal Year Funding: $6,000.

Descriptors: Career-Counseling. Community-Involvement. Education-Work-Relationship. High-School-Seniors. Job-Placement. Job-Search-Methods. Low-Achievement. Remedial-Programs. Vocational-Followup. Work-Attitudes.

Identifiers: State. Proposal.

In this comprehensive, localized version of a national program to mobilize support from the participating community, employability and skill training programs will be implemented to improve the school-to-work transition of the low quartile high school students in the graduating class, approximately 30 females and 45 males. Remedial reading and math instruction will be provided for ten hours weekly for twenty weeks to raise competencies of all students to the sixth grade level. Through a career association, small groups of students will spend thirty hours a week for forty weeks learning job-seeking skills and appropriate work attitudes and work habits, using activities and conferences emphasizing motivational and leadership development. Finally, job specialists trained in the JBSG program will work eighteen hours a week for fifty-two weeks advising the career association, seeking entry-level jobs in the private sector, establishing a job bank that will identify entry-level positions, and placing students. The specialists will interview prospective employers, visit students' parents, and follow-up placed students through the first nine months of employment. An in-school advisory committee will be established.

MA8313211.
Jobs for Bay State Graduates.

Project Director: Creedon, Lawrence P.

Organization: Quincy Public Schools 70 Coddington Street, Quincy, MA 02169.

Telephone: (617) 786-8700.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-021-3-0243-1 (01-505).

Funding Period: Start Date 01 Mar 83; End Date 30 Sep 83.

Fiscal Year Funding: $6,000.

Descriptors: Career-Counseling. Community-Involvement. Education-Work-Relationship. High-School-Seniors. Job-Placement. Job-Search-Methods. Low-Achievement. Remedial-Programs. Vocational-Followup. Work-Attitudes.

Identifiers: State. Proposal.

In this comprehensive, localized version of a national program to mobilize support from the participating community, employability and skill training programs will be implemented to improve the school-to-work transition of the low quartile high school students in the graduating class, approximately 30 females and 45 males. Remedial reading and math instruction will be provided for ten hours weekly for twenty weeks to raise competencies of all students to the sixth grade level. Through a career association, small groups of students will spend thirty hours a week for forty weeks learning job-seeking skills and appropriate work attitudes and work habits, using activities and conferences emphasizing motivational and leadership development. Finally, job specialists trained in the JBSG program will work eighteen hours a week for fifty-two weeks advising the career association, seeking entry-level jobs in the private sector, establishing a job bank that will identify entry-level positions, and placing students. The specialists will interview prospective employers, visit students' parents, and follow-up placed students through the first nine months of employment. An in-school advisory committee will be established.

MA8313212.
Jobs for Bay State Graduates.

Project Director: Carnrite, James S.

Organization: Fitchburg Public Schools 1047 Main Street, Fitchburg, MA 01420.

Telephone: (617) 343-6421.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-021-3-0097-3 (01-505).

Funding Period: Start Date 01 Mar 83; End Date 30 Sep 83.

Fiscal Year Funding: $6,000.

Descriptors: Career-Counseling. Community-Involvement. Education-Work-Relationship. High-School-Seniors. Job-Placement. Job-Search-Methods. Low-Achievement. Remedial-Programs. Vocational-Followup. Work-Attitudes.

Identifiers: State. Proposal.

In this comprehensive, localized version of a national program to mobilize support from the participating community, employability and skill training programs will be implemented to improve the school-to-work transition of the low quartile high school students in the graduating class, approximately 30 females and 45 males. Remedial reading and math instruction will be provided for ten hours weekly for twenty weeks to raise competencies of all students to the sixth grade level. Through a career association, small groups of students will spend thirty hours a week for forty weeks learning job-seeking skills and appropriate work attitudes and work habits, using activities and conferences emphasizing motivational and leadership development. Finally, job specialists trained in the JBSG program will work eighteen hours a week for fifty-two weeks advising the career association, seeking entry-level jobs in the private sector, establishing a job bank that will identify entry-level positions, and placing students. The specialists will interview prospective employers, visit students' parents, and follow-up placed students through the first nine months of employment. An in-school advisory committee will be established.

MA8313213.
Jobs for Bay State Graduates.

Project Director: O'Connor, Bart J.

Organization: Attleboro Public Schools Rathburn Willard Drive, Attleboro, MA 02703.

Telephone: (617) 222-0012.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-021-3-0016-4 (01-605).

Funding Period: Start Date 01 Mar 83; End Date 30 Sep 83.

Fiscal Year Funding: $6,000.

Descriptors: Career-Counseling. Community-Involvement. Education-Work-Relationship. High-School-Seniors. Job-Placement. Job-Search-Methods. Low-Achievement. Remedial-Programs. Vocational-Followup. Work-Attitudes.

Identifiers: State. Proposal.

In this comprehensive, localized version of a national program to mobilize support from the participating community, employability and skill training programs will be implemented to improve the school-to-work transition of the low quartile high school students in the graduating class, approximately 30 females and 45 males. Remedial reading and math instruction will be provided for ten hours weekly for twenty weeks to raise competencies of all students to the sixth grade level. Through a career association, small groups of students will spend thirty hours a week for forty weeks learning job-seeking skills and appropriate work attitudes and work habits, using activities and conferences emphasizing motivational and leadership development. Finally, job specialists trained in the JBSG program will work eighteen hours a week for fifty-two weeks advising the career association, seeking entry-level jobs in the private sector, establishing a job bank that will identify entry-level positions, and placing students. The specialists will interview prospective employers, visit students' parents, and follow-up placed students through the first nine months of employment. An in-school advisory committee will be established.

MA8313214.
Providing Individualized Vocational and Occupational Training.

Project Director: Dorfman, Mark L.

Organization: Cambridge Public School Department 159 Thorndike Street, Cambridge, MA 02141.

Telephone: (617) 498-9280.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 405-091-3-049-1 (01-505).

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $9,239.

Descriptors: Disabilities. Food-Service. Job-Skills. Machinists.

Identifiers: State. Proposal. *Special Needs Students.

Vocational training and support services will be provided for special needs students in the areas of food services and machine operations. Support services will include rehabilitation counseling, industry-based training for twenty juniors and seniors, and placement for program completers. The 140 special needs adolescents, of whom seventy-two are female, include forty-seven blacks and thirty-five Hispanics. The overall project, jointly funded between the Division of Special Education and Occupational Education, will include the activities of coordinating an exploratory program for fifteen-year-old students and developing, modifying, or coordinating curriculum materials and resources appropriate to occupational/special education. Project staff will attend individual education planning meetings and present testing results of students' vocational interests, present functioning levels, and potential abilities. The program manager will work directly with individual shop instructors to identify critical academic, behavioral, and physical skills needed. Information will be coordinated and disseminated to special education staff members.

MA8313215.
Experience-based Career Education.

Project Director: Szarlan, John

Organization: Douglas Memorial High School Depot Street, Douglas, MA 01516.

Telephone: (617) 476-7037.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: PN: 405-061-3-0077-3-(01-505).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $11,843.

Descriptors: Career-Planning. Cooperative-Programs. Daily-Living-Skills. Disabilities. Experiential-Learning. Job-Skills. Special-Needs-Students.

Identifiers: State. Proposal. *Special Needs Students. Hands On Experience.

This project is part of a larger program to provide handicapped students with experiences that will enable them to make informed career decisions. Career skills and life skills components will be provided using employer and community sites as bases for learning. A basic skills component also will be provided that focuses on reading, writing, and mathematics competencies. Blackstone Valley Regional Vocational School will collaborate with Blackstone Valley Special Needs Collaborative to arrange for training in at least four community sites for twelve male and twelve female students most of whom are white. In one to thirteen weeks at each placement, students will be involved in various activities from observation to hands-on experience, will be exposed to nontraditional job roles, and will maintain a daily work log. Students will spend about two to four days per week in work experiences; one day in the high school resource center completing assignments concerning career awareness, career planning, and basic skills; and one to three times per week in conference with the learning coordinator.

MA8313217.
Work Experience and Training Program.

Project Director: Stanley, Malchan C.

Organization: Greater Lawrence Educational Collaborative 10 High Street, Andover, MA 01810.

Telephone: (617) 470-1990.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 405-061-3-1079-2 (01-505).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $14,144.

Descriptors: Developmentally-Disabled. Electromechanical-Technology. Electrical-Occupations. Job-Training.

Identifiers: State. Proposal. Solderers.

Developmentally disabled students in the Greater Lawrence area will be trained and provided with paid work experience. Project staff will provide life skills instruction and vocational counseling to all transitional employment program (TEP) students to address individual abilities, goals, and adjustment. Eight students will receive industry-based skill training in electromechanical assembly and soldering for thirty hours each week for eleven months at a computer products company. Sixty percent of these students are expected to be placed in full-time competitive employment upon completion of the project. In addition, twelve students will participate in classroom skill training in the areas of general, electrical, and mechanical assembly to develop workshop and/or entry-level skills. TEP vocational placement staff will facilitate employment for job-ready students and provide a minimum of four months of follow-up. Trainer evaluation reports and daily logs of performance will determine the employment status of each trainee.

MA8313218.
Project CAD/CAM (Computer-Aided Design/Manufacturing).

Project Director: Butler, Robert K.

Organization: Worcester Trade Complex 26 Salisbury Street, Worcester, MA 01608.

Telephone: (617) 799-1940.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 432-161-3-0408-7 (01-607).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $125,000.

Descriptors: Computer-Oriented-Programs. Drafting. Job-Skills. Job-Training.

Identifiers: State. Proposal. *Computer Assisted Design.

Industry, school districts, and the Department of Education will collaborate to provide eighty-five students and others with training or retraining in using CAD for machine tool and design technology. Underemployed and unemployed students will be able to learn CAD terminology; compare CAD and manual drafting; explain benefits and applications; and handle CAD equipment to input, process, and output tasks.

MA8313219.
Project Umbrella.

Project Director: Wellspring, Robert J.

Organization: C. H. McCann Technical School Hodges Cross Road, North Adams, MA 01247.

Telephone: (413) 662-2635.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 405-061-3-0851-6 (01-605).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $17,352.

Descriptors: Cooperative-Programs. Developmental-Disabilities. Job-Skills. Job-Training. Rural-Areas.

Identifiers: State. Proposal.

Four school systems in a rural county will collaborate to meet a shortage of vocational skill training facilities for ninety handicapped students. Operating on a demand basis wherever the need exists, the project will move staff rather than the special needs students to reduce energy and transportation costs and to meet past program considerations. As part of the overall project jointly funded by the Division of Special Education and the Division of Occupational Education, six skill training courses will be implemented: food service, small engine repair, metal fabrication, graphic arts, wood technology, and business/office procedures. Each will operate on a half-day basis for a maximum of one semester. All special needs students will be identified by their skill training needs and will receive an individualized education program indicating specific vocational objectives. Guidance counselors and special education staff will promote nontraditional role models; project class enrollments will be limited to 80 percent of one sex. The project director will provide inservice training for project and feeder school staffs to address both skill delivery and special needs support service skills. Fifteen project participants will be placed either in cooperative or community employment. Project events and achievements will be publicized. An external consultant will evaluate the project.

Curriculum Development (Sec. 133)

MA8313301.

The Massachusetts Vocational Curriculum Center.

Project Director: Laughlin, Carol K.

Organization: Massachusetts Vocational Curriculum Center 758 Marrett Road, Lexington, MA 02173.

Telephone: (617) 863-1863.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: PN: 433-061-3-0830-7-(01-605).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $144,748.

Descriptors: Curriculum-Study-Centers. Education-Service-Centers. Information-Dissemination. Information-Networks. Inservice-Education. Instructional-Materials. Resource-Materials. Technical-Assistance.

Identifiers: State. Proposal.

The center will be maintained to collect, catalog, and make accessible vocational curriculum resources and to provide technical assistance and inservice training to local education agencies in curriculum utilization and design. Participation in regional and national networking activities will include establishment of an instate arrangement for distribution of curriculum documents and provision of a computerized search capability for center users. A tape collection of textbooks used in Massachusetts vocational programs will be developed to encourage access to vocational programs. Activities to promote the knowledge and use of the materials and services of the center will include the publishing of a quarterly newsletter, 'Curriculum Currents,' and an annual catalog of center materials.

MA8313302.

Completion of Model Competency-based Vocational Education Curricula in the Area of Food Management, Production, and Services.

Project Director: Morrison, Janet; Stevens, Harold L., Jr.

Organization: Tri-County Regional Vocational-Technical School 147 Pond Street, Franklin, MA 02038.

Telephone: (617) 528-5400.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-171-3-0878-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $14,700.

Descriptors: Competency-Based-Education. Food-Service. Job-Analysis. Teaching-Guides.

Identifiers: State. Proposal.

Project staff will participate in inservice training sessions on competency-based vocational education (CBVE). Through a literature search, staff will develop job descriptions and a preliminary list of competencies. Combined task lists from paired schools then will be established for validation with advisory committee and trade representatives and rank ordered according to job difficulty. In addition to a list of performance objectives and standards, learning guides for each task will be developed. Paired schools staff then will prepare the joint CBVE, four-year curriculum, which will be pilot tested, revised, printed, and disseminated statewide. Tri-County Regional Vocational-Technical School will serve as a demonstration site.

MA8313303.

Competency-based Vocational Education Curriculum in Auto Mechanics.

Project Director: LaPierre, David

Organization: Pathfinder Regional Vocational-Technical High School Route 181, Palmer, MA 01069.

Telephone: (413) 283-9701.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-171-3-0860-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 84.

Fiscal Year Funding: $13,000.

Descriptors: Auto-Mechanics. Behavioral-Objectives. Competency-Based-Education. Job-skills.

Identifiers: State. Proposal.

A transportable model of competency-based curriculum in auto mechanics will be field-tested and reviewed during the 1984-85 school year for statewide use in vocational programs. Following inservice training, the curriculum writing team will identify and define an acceptable competency level as determined by vocational instructors and direct industry input, compile and rank competencies according to job difficulty, list job goals, and develop a skills test for each job activity. Student performance-based objectives will be developed for specific skill areas related to the competency testing. Meetings and evaluations of tests and objectives will be scheduled with randomly selected vocational instructors. The curriculum will be field-tested at each pilot school, then revised. An inservice program will be developed for an on-site demonstration. A final report will be delivered.

MA8313304.

A Model Competency-based Curriculum in Electronics Technology for Teachers of Vocational Education.

Project Director: Szpila, Ronald

Organization: Minuteman Regional Vocational-Technical School District 758 Marrett Road, Lexington, MA 02173-7398.

Telephone: (617) 861-6500.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-172-3-0830-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $16,943.

Descriptors: Competency-Based-Education. Electronic-Technicians. Job-Analysis. Teaching-Guides.

Identifiers: State. Proposal.

Project staff will participate in inservice training sessions on competency-based vocational education (CBVE). Through a literature search, staff will develop job descriptions and a preliminary list of competencies. Combined task lists from paired schools then will be established for validation with advisory committee and trade representatives and rank ordered according to job difficulty. In addition to a list of performance objectives and standards, learning guides for each task will be developed. Paired schools staff then will prepare the joint CBVE, four-year curriculum, which will be pilot tested, revised, printed, and disseminated statewide. Minuteman Regional Vocational-Technical School will serve as a demonstration site.

MA8313305.

A Model Competency-based Vocational Education (CBVE) Curriculum: Electronic Technician.

Project Director: Collins, William J.

Organization: Greater Lowell Regional Vocational-Technical School Pawtucket Boulevard, Tyngsboro, MA 01879.

Telephone: (617) 454-5411.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-172-3-0828-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $17,000.

Descriptors: Competency-Based-Education. Electronic-Technicians. Job-Analysis. Teaching-Guides.

Identifiers: State. Proposal.

Project staff will participate in the 1983 and 1984 Fitchburg conferences. Combined task lists from paired schools will be established for validation, and performance tests will be analyzed and revised. Learning guides stressing the nonstereotypic nature of knowledge and skills will be developed, along with an annotated bibliography of books and other media for use with the guides. Paired schools then will prepare the CBVE curriculum, which will be pilot tested, revised, printed, and disseminated statewide. Greater Lowell Regional Vocational-Technical School will serve as a demonstration site.

MA8313306.

Ornamental Horticulture Curriculum for Competency-based Vocational Education.

Project Director: Barden, Michael W.

Organization: Norfolk County Agricultural High School 460 Main Street, Walpole, MA 02081.

Telephone: (617) 668-0268.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-171-3-0915-7 (01-705).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $14,300.

Descriptors: Behavioral-Objectives. Competency-Based-Education. Horticulture. Job-Skills. Maintenance.

Identifiers: State. Proposal. *Golf Courses.

Curriculum and horticultural experts will design a competency-based vocational curriculum in horticulture, focusing upon public and private golf course management, to provide high school students with entry-level skills as golf course maintenance workers. Activities will include identifying skills necessary for entry-level employment; developing lists of skills and concepts necessary for employment in golf course management; ranking competencies according to job difficulty; developing performance objectives and standards; and developing methods, materials, and facilities needed to teach the skills.

MA8313307.

A Model Competency-based Curriculum in General Merchandising.

Project Director: Collins, William J.

Organization: Greater Lowell Regional Vocational-Technical School Pawtucket Boulevard, Tyngsboro, MA 01879.

Telephone: (617) 454-5411.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-174-3-0828-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $13,333.

Descriptors: Competency-Based-Education. Job-Analysis. Merchandising. Teaching-Guides.

Identifiers: State. Proposal.

Project staff will participate in inservice training sessions on competency-based vocational education (CBVE). Through a literature search, staff will develop job descriptions and a preliminary list of competencies. Combined task lists from paired schools then will be established for validation with advisory committee and trade representatives and rank ordered according to job difficulty. In addition to a list of performance objectives and standards, learning guides for each task will be developed. Paired schools staff then will prepare the joint CBVE, four-year curriculum, which will be pilot tested, revised, printed, and disseminated statewide. Greater Lowell Regional Vocational-Technical School will serve as a demonstration site.

MA8313308.

A Model Competency-based Vocational Education (CBVE) Curriculum in Food Management, Production and Services.

Project Director: Collins, William J.

Organization: Greater Lowell Regional Vocational-Technical School Pawtucket Boulevard, Tyngsboro, MA 01879.

Telephone: (617) 454-5411.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-171-3-0828-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $17,000.

Descriptors: Competency-Based-Education. Food-Processing-Occupations. Food-Service. Job-Analysis. Teaching-Guides.

Identifiers: State. Proposal.

Project staff will participate in inservice training sessions on competency-based vocational education (CBVE). Through a literature search, staff will develop job descriptions and a preliminary list of competencies. Combined task lists from paired schools then will be established for validation with advisory committee and trade representatives and rank ordered according to job difficulty. In addition to a list of performance objectives and standards, learning guides for each task will be developed. Paired schools staff then will prepare the joint CBVE, four-year curriculum, which will be pilot tested, revised, printed, and disseminated statewide. Greater Lowell Regional Vocational-Technical School will serve as a demonstration site.

MA8313309.

A Model Competency-based Vocational Education (CBVE) Curriculum in Auto Mechanics.

Project Director: Learned, Wilfred H., Jr.

Organization: Cape Cod Regional Vocational-Technical School Pleasant Lake Avenue, RR #4, Harwich, MA 02645.

Telephone: (617) 432-4506.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-171-3-0815-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $13,333.

Descriptors: Competency-Based-Education. Job-Analysis. Teaching-Guides.

Identifiers: State. Proposal.

Project staff will participate in inservice training sessions on competency-based vocational education (CBVE). Through a literature search, staff will develop job descriptions and a preliminary list of competencies. Combined task lists from paired schools then will be established for validation with advisory committee and trade representatives and rank ordered according to job difficulty. In addition to a list of performance objectives and standards, learning guides for each task will be developed. Paired schools staff then will prepare the joint CBVE, four-year curriculum, which will be pilot tested, revised, printed, and disseminated statewide. Cape Cod Regional Vocational-Technical School will serve as a demonstration site.

MA8313310.

Development of a Competency-based Curriculum for Computer Programming.

Project Director: LeBrun, John F.

Organization: Blackstone Valley Regional Vocational School Pleasant Street, Upton, MA 01568.

Telephone: (617) 529-7758.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-171-3-0805-7 (01-505).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $13,528.

Descriptors: Competency-Based-Education. Computer-Science-Education. Inservice-Teacher-Education. Programing.

Identifiers: State. Proposal.

A model, competency-based vocational curriculum in computer programming will be developed. Activities will include project staff participation in statewide inservice training; review, adaptation, and development of the curriculum; pilot testing the curriculum during the

1983-84 school year; revision and printing; participation in the dissemination plan; and acting as a demonstration site. Four part-time staff members will be employed by the project to work with other pilot schools to involve the business community in planning the project. The target group for the initial implementation will consist of one group of ninth graders and one group of eleventh graders. Comparison of these two groups will be made over a five-year period.

MA8313311.

A Model Competency-based Vocational Education (CBVE) Curriculum To Train Health Assistants.

Project Director: Urban, Mary D.

Organization: Fanning Trade High School-Worcester Trade Complex 24 Chatham Street, Worcester, MA 01608.

Telephone: (617) 799-1953.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-171-3-0408-7 (01-606).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $13,000.

Descriptors: Allied-Health-Occupations-Education. Allied-Health-Personnel. Competency-Based-Education. Job-Analysis. Teaching-Guides.

Identifiers: State. Proposal.

Project staff will participate in inservice training sessions on competency-based vocational education (CBVE). Through a literature search, staff will develop job descriptions and a preliminary list of competencies. Combined task lists from paired schools then will be established for validation with advisory committee and trade representatives and rank ordered according to job difficulty. In addition to a list of performance objectives and standards, learning guides for each task will be developed. Paired schools staff then will prepare the joint CBVE, four-year curriculum, which will be pilot tested, revised, printed, and disseminated statewide. Fanning Trade High School will serve as a demonstration site.

MA8313312.

A Model Competency-based Vocational Education (CBVE) Curriculum in Auto Mechanics.

Project Director: Hatch, Howard; Gilbert, Clifford

Organization: Leominster Trade High School Kingman Drive, Leominster, MA 01453.

Telephone: (617) 537-7622.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-171-3-0153-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $13,000.

Descriptors: Auto-Mechanics-Competency-Based-Education. Job-Analysis. Teaching-Guides.

Identifiers: State. Proposal.

Project staff will participate in inservice training sessions on competency-based vocational education (CBVE). Through a literature search, staff will develop job descriptions and a preliminary list of competencies. Combined task lists from paired schools then will be established for validation with advisory committee and trade representatives and rank ordered according to job difficulty. In addition to a list of performance objectives and standards, learning guides for each task will be developed. Paired schools staff then will prepare the joint CBVE, four-year curriculum, which will be pilot tested, revised, printed, and disseminated statewide. Leominster Trade High School will serve as a demonstration site.

MA8313313.

A Model Competency-based Vocational Education (CBVE) Curriculum in General Merchandising.

Project Director: Smith, Joseph J.

Organization: Humphrey Occupational Resource Center 75 New Dudley Street, Boston, MA 02119.

Telephone: (617) 442-5200.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-173-3-0035-7 (01-695).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $13,326.

Descriptors: Competency-Based-Education. Job-Analysis. Merchandising. Teaching-Guides.

Identifiers: State. Proposal.

Project staff will participate in inservice training sessions on competency-based vocational education (CBVE). Through a literature search, staff will develop job descriptions and a preliminary list of competencies. Combined task lists from paired schools then will be established for validation with advisory committee and trade representatives, and learning guides for each task will be developed. Staff will make a presentation at the Fitchburg conference. Paired schools staff then will prepare the CBVE curriculum, which will be pilot tested, revised, printed, and disseminated statewide. Humphrey Center will serve as a demonstration site during the 1984-85 school year.

MA8313314.

A Model Competency-based Vocational Education (CBVE) Curriculum in Child Care.

Project Director: Smith, Joseph J.

Organization: Humphrey Occupational Resource Center Commercial Mall, 75 New Dudley Street, Boston, MA 02119.

Telephone: (617) 442-5200.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-171-3-0035-7 (01-695).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $13,326.

Descriptors: Child-Caregivers. Competency-Based-Education. Job-Analysis. Teaching-Guides.

Identifiers: State. Proposal.

Project staff will participate in inservice training sessions on competency-based vocational education (CBVE). Through a literature search, staff will develop job descriptions and a preliminary list of competencies. Combined task lists from paired schools then will be established for validation with advisory committee and trade representatives and rank ordered according to job difficulty. In addition to a list of performance objectives and standards, learning guides for each task will be developed. Paired schools staff then will prepare the joint CBVE, four-year curriculum, which will be pilot tested, revised, printed, and disseminated statewide. Humphrey Occupational Resource Center will serve as a demonstration site.

MA8313315.

A Model Competency-based Vocational Education (CBVE) Curriculum in Hotel and Lodging.

Project Director: Smith, Joseph J.

Organization: Humphrey Occupational Resource Center 75 New Dudley Street, Boston, MA 02119.

Telephone: (617) 442-5200.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-172-3-0035-7(01-695).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $16,999.

Descriptors: Competency-Based-Education. Hospitality-Occupations. Job-Analysis. Teaching-Guides.

Identifiers: State. Proposal.

Project staff will participate in inservice training sessions on competency-based vocational education (CBVE). Through a literature search, staff will develop job descriptions and a preliminary list of competencies. Combined task lists from paired schools then will be established for validation with advisory committee and trade representatives, and learning guides for each task will be developed. Staff will make a presentation at the Fitchburg conference. Paired schools staff then will prepare the CBVE curriculum, which will be pilot tested, revised, printed, and disseminated statewide. Humphrey Center will serve as a demonstration site during the 1984-85 school year.

MA8313316.

Technical Assistance—Staff Development for Competency-based

Vocational Education.

Project Director: Batchelor, Laurie J.

Organization: Technical Education Research Centers 44 Brattle Street, Cambridge, MA 02138.

Telephone: (617) 546-0430.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-171-3-2709-7 (01-805).

Funding Period: Start Date 01 Jun 83; End Date 30 Apr 84.

Fiscal Year Funding: $60,000.

Descriptors: Competency-Based-Education. Curriculum-Guides. Staff-Development.

Identifiers: State. Proposal.

Technical assistance will be provided for developing and implementing staff training in Competency-based Vocational Education (CBVE) and for field-testing and revising the state CBVE staff training manual. The staff training effort is expected to increase the number of teachers developing and implementing CBVE in the state and encourage future efforts through the dissemination of successful methods, techniques, and materials by the twelve model demonstration schools. Products to be delivered include four progress reports, one draft copy of each of four learning guides, one report of recommendations relative to revising and supplementing the existing CBVE training manual, and twenty copies of the final report.

MA8313317.

Competency-based Vocational Curriculum—Machine Trades.

Project Director: Franklin, Ray

Organization: Franklin County Technical School Industrial Boulevard, Turners Falls, MA 01376.

Telephone: (413) 863-9561.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-171-3-0818-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 83.

Fiscal Year Funding: $14,806.

Descriptors: Competency-Based-Education. Curriculum-Guides. Job-Skills. Machinists.

Identifiers: State. Proposal.

A model, competency-based vocational education curriculum will be developed to provide the means by which entry-level competencies for machine shop occupations are developed and measured, thus improving performance, placement, and employability potential of students in the machine shop education program. Eight hundred copies of each learning guide with tests will be delivered.

MA8313318.

A Model Competency-based Preservice Curriculum in Electronics Technology for Teachers of Vocational Education.

Project Director: Collins, William J.

Organization: Greater Lowell Regional Vocational-Technical School Pawtucket Boulevard, Tyngsborough, MA 01879.

Telephone: (617) 454-5411.

Sponsoring Agency: Massachusetts State Dept. of Education, Boston.

Contract/Control No.: CN: 433-173-3-0828-7 (01-605).

Funding Period: Start Date 01 Jun 83; End Date 30 Sep 84.

Fiscal Year Funding: $13,333.

Descriptors: Behavioral-Objectives. Competency-Based-Education. Computer-Science-Education. Curriculum-Guides. Occupational-Information. Programing.

Identifiers: State. Proposal.

Preservice, competency-based vocational education (CBVE) will be developed in the area of computer programming. Project activities will include staff inservice training, a literature review to identify occupational titles and develop job descriptions, and pairing schools to compile and validate task lists in consultation with local advisory committees and community representatives. The paired schools will develop learning guides for each task, along with an annotated bibliography of books, films, filmstrips, tapes, and specific unit programs. Curriculum developers will meet with advisory committee members to analyze performance tests for subsequent revision. Eight hundred copies of the computer programming curriculum will be disseminated statewide and field-tested during the 1984-85 school year. Project staff will implement the CBVE curricula in September 1984; the project school will serve as a demonstration site in 1985-86.

Michigan

Curriculum Development (Sec. 133)

MI8313301.
New Local Program Curriculum Development.
Project Director: Folkening, James
Organization: Michigan Department of Education Community College Unit, Higher Education Management Service, PO Box 30008, Lansing, MI 48909.
Telephone: (517) 373-3360.
Sponsoring Agency: Michigan State Dept. of Education, Lansing.
Contract/Control No.: GN: 00041 (3125).
Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.
Fiscal Year Funding: $120,000.
Descriptors: Community-Colleges-Curriculum. Grants. Needs-Assessment.
Identifiers: State. Proposal.

Grants will be awarded to community colleges to perform needs assessments of employee demand and student interest in occupational program areas currently without institutional programs and to develop curriculum based on the findings of the needs assessments. Specific criteria must be met by the community colleges to obtain the grants.

MI8313302.
Vocational Education Program Development and Dissemination.
Project Director: Olson, Chris; Kielbaso, Gloria
Organization: Michigan State University Curriculum Resource Team, 101 Wills Hall, East Lansing, MI 48824.
Telephone: (517) 353-0661.
Sponsoring Agency: Michigan State Dept. of Education, Lansing.
Contract/Control No.: GN: 00003 (7904).
Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.
Fiscal Year Funding: $338,000.
Descriptors: Curriculum. Job-Analysis. Resource-Centers.
Identifiers: State. Proposal. Electronic Mail. Machine Trades.

Curriculum for auto mechanics, drafting, machine trades, construction trade, production agriculture, communications electronics, welding, accounting and computing, and steno-secretarial occupations will be developed. Task analyses of these occupations will be performed and curriculum developed based on the analyses. The Resource Center will print and distribute the curriculum; provide online searches of databases; maintain certain databases; provide an electronic mail service; circulate and distribute sex equity materials; print and distribute the state master plan for placement; provide data processing and technical assistance to school districts; and provide support services to career resource centers.

Minnesota

Research (Sec. 131)

MN8313101.

Annual Plan of Work for the Minnesota Research and Development Center for Vocational Education.

Project Director: Copa, George H.

Organization: University of Minnesota Research and Development Center, Vocational and Technical Building, 1954 Buford Avenue, St. Paul, MN 55108.

Telephone: (612) 373-3838.

Sponsoring Agency: Minnesota State Dept. of Education, St. Paul.

Contract/Control No.: CN: 01-R-83.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $155,000.

Descriptors: Articulation-Education. Delivery-Systems. Disabilities. Disadvantaged. Inservice-Teacher-Education. Research-and-Development-Centers. Teacher-Workshops.

Identifiers: State. Proposal.

The Minnesota Research and Development Center for Vocational Education will perform research and development, dissemination, training, and facilitation efforts within the state over the next year. Procedures will include technical consultation, report dissemination, reviews and syntheses of literature, dissemination of journal articles, field tests and surveys, advisory committee meetings, and teacher education classes and workshops. Products generated will include project reports in the following areas: inservice needs of vocational education teachers serving special needs students; facilitation of secondary to postsecondary vocational training transition for special needs students; and development of delivery systems for vocational education instruction.

MN8313102.

Geographic Indicators.

Project Director: Dreyer, Ron; Copa, George

Organization: Minnesota Research and Development Center for Vocational Education 551 Capitol Square Building, 550 Cedar Street, St. Paul, MN 55101.

Telephone: (612) 296-2421 or (612) 373-3838.

Sponsoring Agency: Minnesota State Dept. of Education, St. Paul.

Contract/Control No.: CN: 81722.

Funding Period: Start Date 15 Oct 82; End Date 15 Oct 83.

Fiscal Year Funding: $2,145.

Descriptors: Access-to-Education. Algorithms. Automation. Decision-Making. Geographic-Location. Program-Budgeting. Relocation.

Identifiers: State. Proposal. *Program Cancellation.

A set of algorithms, which offer automation, will be defined. This will provide decision makers with information on the geographic access-related impact of closing or relocating vocational instructional programs. A decision-making tool will be created. Data and simulations will be available to those responsible for selecting and implementing program budgeting criteria. Products will include algorithms, computer programs (compatible with Apple II PASCAL), a user's manual, and ten standard output report formats.

Mississippi

Research (Sec. 131)

MS8313101.

Research and Curriculum Unit (Research and Development).

Project Director: Shill, James F.; Thomas, Edward L.

Organization: Research and Curriculum Unit Drawer DX, Mississippi State University, Mississippi State, MS 39762.

Telephone: (601) 325-2510.

Sponsoring Agency: Mississippi State Dept. of Education, Jackson.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $188,884.

Descriptors: Data-Analysis. Data-Collection. Information-Dissemination. Information-Networks. Needs-Assessment. Program-Development.

Identifiers: State. Proposal.

Research findings from information networks including Education Resources Information Center, Resources in Vocational Education, other research coordinating units, and the National Network in Curriculum Coordination will be collected, analyzed, synthesized, disseminated, and/or implemented. Research activities will concern the needs of postsecondary vocational programs, readiness tests for blind and partially sighted students, program planning, and a manpower projection study. A final report will be written.

MS8313102.

Mississippi Occupational Projects Update for Thirteen Junior College Districts 1980-90.

Project Director: Thomas, Edward L.

Organization: Research and Curriculum Unit Drawer DX, Mississippi State, MS 39762.

Telephone: (601) 325-2510.

Sponsoring Agency: Mississippi State Dept. of Education, Jackson.

Funding Period: Start Date 01 Sep 82; End Date 30 Sep 83.

Fiscal Year Funding: $48,000.

Descriptors: Data-Analysis. Data-Collection. Employment-Projections. Occupational-Surveys. Statistical-Analysis. Two-Year-Colleges.

Identifiers: State. Proposal.

Occupational projections for the thirteen junior college districts of Mississippi will be obtained for use in the development of the State Vocational Education Plan. Data from 1961-83 will be projected to 1990 using multiple regression, super ingrow model of employment share, constant regional rate model of employment share, implicit shift and share analysis, and reformulated shift and share equation. Data analysis will then be conducted. The state industry/occupation matrix will be applied to industry totals to produce the occupational index. Data will be formatted by CIP codes by occupation for each junior college district and for the statewide summary.

Curriculum Development (Sec. 133)

MS313302.

Research and Curriculum Unit (Industrial Training Activities).

Project Director: Shill, James F.

Organization: Research and Curriculum Unit (Industrial Training Activities) Drawer DX, Mississippi State University, Mississippi State, MS 39762.

Telephone: (601) 325-2510.

Sponsoring Agency: Mississippi State Dept. of Education, Jackson.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $226,983.

Descriptors: Industrial-Education. Industrial-Training. Instructional-Materials. Job-Training. Material-Development. Teaching-Guides. Teaching-Methods.

Identifiers: State. Proposal.

Training materials for new or expanding industries with training needs will be developed after such needs are identified. Training objectives and methods also will be identified. Training manuals will be developed and disseminated to industries involved.

MS8313301.

Research and Curriculum Unit (Curriculum Development).

Project Director: Shill, James F.

Organization: Research and Curriculum Unit (Curriculum Development) Drawer DX, Mississippi State University, Mississippi State, MS 39762.

Telephone: (601) 325-2510.

Sponsoring Agency: Mississippi State Dept. of Education, Jackson.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $446,850.

Descriptors: Agricultural-Education. Business-Education. Industrial-Arts. Information-Dissemination. Instructional-Materials. Office-Occupations-Education. Sex-Fairness. Technical-Education. Trade-and-Industrial-Education.

Identifiers: State. Proposal.

Curriculum materials will be developed or revised as needed for the following program areas: agriculture, industrial arts, trade and industry, technical, sex equity, business and office, and special needs. Types of materials will include lesson plans, teaching guides, placement guides, student handbooks, and video tapes. Membership in vocational curriculum materials consortia will be maintained. Materials not developed through the research and curriculum unit will be purchased and disseminated. A film library will be maintained for use by vocational programs.

Missouri

Research (Sec. 131)

MO8313101.
Dissemination of Project 82-131-600-4.
Project Director: Schlichting, Harley
Organization: University of Missouri-Columbia 10 Industrial Education Building, University of Missouri-Columbia, Columbia, MO 65211.
Telephone: (314) 882-2883.
Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.
Contract/Control No.: CN: 82-131-600-4 (116-116).
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $575.
Descriptors: Brochures. Models. Nontraditional-Students. School-Holding-Power. Student-Placement.
Identifiers: State. Proposal.

A flyer will be developed, printed, and distributed to Missouri educators to describe models for the retention and placement of nontraditional vocational students. A final report also will be written.

MO8313102.
Development of Materials to Meet and Upgrade Evaluation Recommendations for Vocational Consumer Homemaking.
Project Director: Osborn, Norma
Organization: School District of Independence, Missouri 1231 South Windsor, Independence, MO 64055.
Telephone: (816) 833-3433.
Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.
Contract/Control No.: CN: 83-131/132-600-1 (048 077).
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $1,500.
Descriptors: Audiotape-Recordings. Child-Development. Family-Health. Family-Life-Education. Family-Relationship. Parenthood-Education. Slides.
Identifiers: State. Proposal.

Slide-tape presentations will be developed for a course on family health and home nursing and for overviews of courses on parenting and child development and family relations. Material for the presentations will be developed by the department chairperson and instructors, and the principal investigator will produce the slides.

MO8313103.
Summarizing High School Supervised Occupational Experience Program Records for Better Use in the Classroom Situation.
Project Director: Ratcliff, Dale L.
Organization: Reorganized School District of Moniteau County 205 South Owen, California, MO 65018.
Telephone: (314) 796-2145.
Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.
Contract/Control No.: CN: 83-131-132-600-1 (068-070).
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $1,500.
Descriptors: Agricultural-Education. Computer-Oriented-Programs. Computer-Programs. Information-Retrieval. Information-Storage. Recordkeeping.
Identifiers: State. Proposal.

A computer program will be written which allows vocational agriculture teachers to store Supervised Occupational Experience Program (SOEP) records. Sorting and printing routines will be written so that this SOEP data can be retrieved in various formats. The program will be user friendly and stored on a floppy disk.

MO8313104.
Use of a Minicomputer in Effective Management of Adult Vocational Education.
Project Director: Hutton, Edie G.; King, Eleanor J.
Organization: Lewis and Clark Area Vocational-Technical School 2400 Zumbehl Road, St Charles, MO 63301.
Telephone: (314) 723-4829.
Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.
Contract/Control No.: CN: 83-131/132-600-1 (092-090).
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $1,500.
Descriptors: Computer-Oriented-Programs. Computer-Programs. Information-Storage. Program-Administration. Program-Design. Program-Development.
Identifiers: State. Proposal.

Minicomputer programs will be written that will allow local adult vocational education planners to store and analyze information generated and maintained for use in program planning and administration. Backup systems and output and input formats will be developed, and programs will be designed and documented. A disk with programs and printouts on the programs will be produced.

MO8313105.
Survey of Entry-level Skills Training by Selected Missouri Manufacturers.
Project Director: Hubbs, Marguerite E.
Organization: University of Missouri 10 Industrial Education Building, University of Missouri-Columbia, Columbia, MO 65211.
Telephone: (314) 882-2883.
Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.
Contract/Control No.: CN: 83-131/132-600-1 (116-116).
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $1,500.
Descriptors: Electricity. Electronics. Employer-Attitudes. Entry-Workers. Job-Skills. Occupational-Information.
Identifiers: State. Proposal.

Missouri manufacturers of electrical and electronic equipment and instruments will be identified and studied in order to identify training needs they perceive, the existing entry-level skills training, and the extent of the manufacturers' training efforts. A final report will be written.

MO8313106.
Review and Update Contents of Drafting Curriculum Guides.
Project Director: Sherrell, Eugene G.
Organization: Southwest Missouri State University Industrial and Technology Department, Southwest Missouri State University, Springfield, MO 65804.
Telephone: (417) 836-5121.
Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.
Contract/Control No.: CN: 83-131/132-600-1 (119-119) (B).
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $1,500.
Descriptors: Curriculum-Evaluation. Curriculum-Guides. Drafting. Instructional-Materials. Surveys. Vocational-Education-Teachers.
Identifiers: State. Proposal.

Through a statewide survey of 100 companies and a review of the instructional materials, it will be determined whether the drafting curriculum guides presently used by vocational-technical teachers should be revised. A final report will be written.

MO8313107.

Follow-up Testing and Evaluation of 'Daugherty's Consumer Packets' for Use with Senior Citizens.

Project Director: Branscum, Shelba

Organization: Southeast Missouri State University Cape Girardeau, MO 63701.

Telephone: (314) 751-2000.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 83-131/132-600-1 (120-120) (B).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,500.

Descriptors: Adult-Education. Consumer-Education. Followup-Studies. Older-Adults. Program-Evaluation.

Identifiers: State. Proposal.

Consumer seminars will be scheduled and a pre- and post-consumer assessment instrument will be developed, tested, and administered. After an analysis of the instrument, revisions and recommendations will be made, and a final report will be written.

MO8313108.

Curriculum Development for The Tourism Option of the Hospitality and Restaurant Management Program.

Project Director: Walk, Mary

Organization: St. Louis Community College at Forest Park 5600 Oakland Avenue, St. Louis, MO 63110.

Telephone: (314) 644-9100.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 83-131/132-600-1 (149-150) (A).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,500.

Descriptors: Guidance-Programs. Instructional-Materials. Job-Skills. Marketing. Tourism.

Identifiers: State. Proposal.

Instructional materials including competency lists, lecture outlines, classroom materials, and training station guides, will be developed for teaching marketing skills needed within the tourism industry. A method of effective student guidance will be developed, and the cooperative method of teaching tourism will be strengthened. A final report will be written.

MO8313110.

Development of Visual Aids for Instruction in a Course on the Introduction to Legal Services.

Project Director: Dye, David A.

Organization: Missouri Western State College 309D Classroom—Administration Building, 4525 Downs Drive, St. Joseph, MO 64507.

Telephone: (816) 271-4467.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 83-131/132-600-1 (160-160) (B).

Funding Period: Start Date 01 Jul 82; End Dete 30 Jun 83.

Fiscal Year Funding: $1,500.

Descriptors: Illustrations. Instructional-Materials. Introductory-Courses. Legal-Assistants. Legal-Education. Slides.

Identifiers: State. Proposal.

Illustrations suitable for reproduction into slides will be developed after available information is reviewed and outlined. Handout material to supplement instructional materials also will be developed. A final report will be produced.

MO8313111.

Developing the Marketing of the Adult College Re-entry Network at Mineral Area College.

Project Director: Cox, Dennis E.

Organization: Mineral Area College Flat River, MO 63601.

Telephone: (314) 431-4593.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 83-131/132-600-1 (163-163) (A).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,500.

Descriptors: Advertising. Enrollment-Rate. Reentry-Students. School-Community-Relationship. Workshops.

Identifiers: State. Proposal.

Adult college re-entry workshops will be advertised and three presented. Workshop enrollment will be increased to at least sixteen persons; 80 percent will not be Mineral Area students, and 20 percent will be male. Data on advertising effectiveness and on workshop participants will be collected, and a final report will be produced.

MO8313112.

Computerized Catalyst Controlled Combustion Simulator.

Project Director: Conrow, David R.

Organization: Crowder College Route 6, Neosho, MO 64850.

Telephone: (417) 451-3583.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 83-131/132-600-1 (166-166).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,500.

Descriptors: Computer-Oriented-Programs. Guides. Simulation.

Identifiers: State. Proposal. *Catalysts. *Combustion.

A computerized catalyst controlled combustion simulator will be designed and constructed following research studies. Procedures will be reviewed and a format will be determined for an operations manual. A final report and the operations manual will be delivered.

MO8313113.

Educational Incentive Programs Offered to Employees of Industries in the Missouri Bootheel.

Project Director: Aehle, Michael R.

Organization: Bootheel Higher Education Services Network 301 North New Madrid, Suite D, Sikeston, MO 63801.

Telephone: (314) 471-1242.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 83-131/132-600-1 (63801).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,500.

Descriptors: Data-Analysis. Data-Collection. Employee-Attitudes. Incentives. Surveys.

Identifiers: State. Proposal.

Data will be obtained concerning the incentive programs offered to employees of industries in the Missouri Bootheel. A survey instrument will be developed, mailed, and followed up. Results will be compiled and a final report written.

MO8313114.

Develop Input Activities for Use as Instructional Materials for Training Text-editing Operators.

Project Director: Downey, Sharon L. PHONE (816) 271-4251.

Organization: Missouri Western State College 4525 Downs Drive, St. Joseph, MO 64507.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 83-131/132-600-1 (160-160) (C).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,500.

Descriptors: Data-Analysis. Data-Collection. Input-Output. Systems-Analysis.

Identifiers: State. Proposal. *Word Processing. Text Editors.

At least ten local word processing installations will be visited to collect examples of word processing input. The activities performed in processing this input will be analyzed to identify system functions and appropriate time to assign the exercise. Examples of input materials and copies of the processed document will be provided for evaluation purposes. Input will be processed and cataloged. A final report also will be written.

Exemplary and Innovative (Sec. 132)

MO8313201.

Revision and Dissemination of 'Daugherty's Consumer Packets.'.

Project Director: Daugherty, Mabel; Hoover, Grace

Organization: Southeast Missouri State University Cape Girardeau, MO 63701.

Telephone: (314) 651-2000.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 82-131/132-600-9 (120-120).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,074.

Descriptors: Consumer-Education. Learning-Modules.

Identifiers: State. Proposal.

Packets of consumer education materials will be revised as data become available. In phase 2, key home economists will be trained in the delivery of these packets via a three-hour teleconference. The trained economists then will conduct training sessions in the seven satellite regions of Missouri. The effectiveness of the workshops will be evaluated, and a final report will be written.

MO8313202.

Dissemination of a Farm Business Management Analysis (FMBA) Program for Adult and Young Farmers in Vocational Agriculture Programs in Missouri.

Project Director: Rohrbach, Norman; Stewart, Bob R.

Organization: University of Missouri-Columbia 435 General Classroom Building, University of Missouri-Columbia, Columbia, MO 65211.

Telephone: (314) 882-3232.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 82-131/132-600-9 (116-116).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $7,782.

Descriptors: Agricultural-Education. Farm-Management. Instructional-Materials. Inservice-Teacher-Education. Publicity. Workshops.

Identifiers: State. Proposal.

Findings of the FY 1982 project on farm business management program materials will be disseminated to sixty agriculture teachers who have implemented the FBMA program. Findings, disseminated through four bi-monthly, four-hour regional workshops, also will be disseminated to state supervisors, and university faculty members. A final report will be produced.

MO8313203.

Dissemination and Continuation of the Work Again Project.

Project Director: Branscum, Shelba

Organization: Southeast Missouri State University Cape Girardeau, MO 63701.

Telephone: (314) 651-2000.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 83-131/132-600-1 (120-120) (C).

Funding Period. Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $26,531.

Descriptors: Community-Involvement Models. Older-Adults. Publicity. Self-Concept. Workshops.

Identifiers: State. Proposal.

Dissemination of the specifics of the Work Again Model will be performed. Attempts will be made to establish such models in several states through workshops, organizational visits, and distribution of project manuals and promotion brochures. Project staff will continue to measure self-concept changes of senior citizens as they become involved in the community. A final report will be written.

Curriculum Development (Sec. 133)

MO8313301.

Dissemination of Project 82-133-600-1.

Project Director: Schlichting, Harley

Organization: University of Missouri-Columbia 10 Industrial Education Building, University of Missouri-Columbia, Columbia, MO 65211.

Telephone: (314) 882-2883.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 82-133-600-1 (116-116).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,462.

Descriptors: Brochures. Instructional-Materials. Publicity. Teacher-Workshops.

Identifiers: State. Proposal.

Instructional materials developed under project 82-133-600-1 will be displayed at the five district teachers' meetings; two teachers will explain the use of the materials. A brochure listing all the projects will be distributed, and a final report will be written.

MO8313302.

Vocational Education Curriculum Development.

Project Director: Schlichting, Harley

Organization: University of Missouri-Columbia 10 Industrial Education Building, University of Missouri-Columbia, Columbia, MO 65211.

Telephone: (314) 882-2883.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 83-133-600-1 (116-116).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $157,621.

Descriptors: Botany. Data-Processing. Health-Services. Home-Economics. Industrial-Arts. Instructional-Materials. Psychiatric-Aides.

Identifiers: State. Proposal. Future Homemakers of America. Home Economics Related Organizations.

Curriculum materials will be developed in the following: plant science, data processing, Future Homemakers of America/Home Economics Related Occupations (FHA/HERO) advisor handbook, middle school guide for home economics, hydraulics module, industrial arts electricity and electronics, pneumatics module, psychiatric aide 2, health services assistant, and occupational orientation curriculum for special needs students. Advisory committee members will research background information, write and edit the project, have curriculum reviewed for approval, and print the product for field-testing. A final report will be delivered.

MO8313303.

Individualized, Mediated Curriculum Materials Development for Vocational Education.

Project Director: Evans, Shirley

Organization: State Fair Community College 1900 Clarendon Road, Sedalia, MO 65301.

Telephone: (816) 826-7100.

Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.

Contract/Control No.: CN: 83-133-600-2 (126-126).

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $162,000.

Descriptors: Audiotape-Recordings. Cooperative-Education. Distributive-Education. Industrial-Education. Learning-Modules. Slides.

Identifiers: State. Proposal.

Slide-tape modules will be developed on the following content areas: (1) cooperative, industrial, and distributive education; (2) health occupations education; (3) health occupations, body structure, and function revisions; (4) graphic arts; (5) auto body; (6) auto mechanics; and (7) special needs. Advisory committees of content specialists will review final module content. Modules then will be produced for field-testing and evaluation by the schools. A final report also will be produced.

MO8313304.
Vocational Education Curriculum Development.
Project Director: Schlichting, Harley
Organization: University of Missouri-Columbia 10 Industrial Education Building, University of Missouri-Columbia, Columbia, MO 65211.
Telephone: (314) 882-2883.
Sponsoring Agency: Missouri State Dept. of Elementary and Secondary Education, Jefferson City.
Contract/Control No.: CN: 83-133-600-1 (116-116).
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $92,263.
Descriptors: Career-Education. Cooperative-Education. Grounds-Keepers. Learning-Modules. Maintenance. Vocabulary-Development.
Identifiers: State. Proposal.

Curricula will be developed in cooperative occupational education and building and grounds maintenance; vocabulary modules also will be developed. Advisory committees will research background information, write and edit the project, have the project reviewed by state staff, and print the project for field-testing. A final report will be delivered.

Montana

Research (Sec. 131)

MT8313101.

Montana Industrial Education Curriculum Planning Project.

Project Director: Polette, Doug

Organization: Montana State University, Agriculture and Industrial Education Department Montana State University, Bozeman, Montana 59717.

Telephone: (406) 994-3201.

Sponsoring Agency: Montana State Office of the Superintendent of Public Instruction, Helena.

Contract/Control No.: CN: 83-5703-05-23-21-C611.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $2,000.

Descriptors: Competency-Based-Education. Industrial-Arts.

Identifiers: State. Proposal.

Competency lists for seven trade areas will be developed following a review of the literature and current curriculum work developed by other states and agencies. A panel of teachers, industry persons, and others will review and select from the collected materials; competency lists will be adapted or adopted. Project staff will compile recommendations and strategies for the next phase of the curriculum development project. A final report will be delivered.

MT8313102.

Follow-up Employment Information on Montana Vocational Education Students.

Project Director: Dodge, Richard; Priest, Linda

Organization: Eco Northwest Limited 1400 Eleventh Avenue, Helena, MT 59601.

Telephone: (406) 442-6075.

Sponsoring Agency: Montana State Office of the Superintendent of Public Instruction, Helena.

Funding Period: Start Date 08 Nov 82; End Date 01 Feb 83.

Fiscal Year Funding: $75,000.

Descriptors: Employers. Graduate-Surveys. Followup-Studies.

Identifiers: State. Proposal. Vocational Education Data System.

One hundred secondary students and 100 postsecondary students will be surveyed for the school years 1980-81 and 1981-82 using a remedial sample design approved by the National Center for Educational Statistics to obtain student and employer follow-up information. A nonparametric statistical test of the data will be made to compare the two years. Information collected will be acceptable for the Vocational Education Data System (VEDS). A summary report and completed VEDS forms will be delivered.

MT8313103.

Curriculum for Wage Earning Home Economics Program.

Project Director: Parsons, Angelina O.

Organization: Home Economics Department, Montana State University Herrick Hall, Montana State University, Bozeman, MT 59717.

Telephone: (406) 994-3240.

Sponsoring Agency: Montana State Office of the Superintendent of Public Instruction, Helena.

Contract/Control No.: CN: 83-5703-05-25-22-R411.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $2,000.

Descriptors: Curriculum-Guides. Occupational-Home-Economics.

Identifiers: State. Proposal.

A wage-earning home economics curriculum guide will be developed to assist teachers in improving preparatory and supplemental wage-earning home economics programs for male and female students. Project activities will include reviewing related research, developing and administering a needs assessment survey to wage-earning home economics teachers, purchasing wage-earning curriculum guides, and evaluating guides with established criteria.

Exemplary and Innovative (Sec. 132)

MT8313201.

Marketing/Distributive/Cooperative Education.

Project Director: Weaver, Willard.

Organization: Great Falls Public Schools Box 2428, Vocational Education, Great Falls, MT 59403.

Sponsoring Agency: Montana State Office of the Superintendent of Public Instruction, Helena.

Contract/Control No.: CN: 83-0702-04-22-16-E502.

Funding Period: Start Date 29 Sep 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,666.

Descriptors: Computer-Programs. Distributive-Education. Marketing. Retailing. Simulations.

Identifiers: State. Proposal.

Distributive education students will manage a 'real business' that parallels the functions of an actual retail business within the community. Project staff will research merchandising offerings and develop a model student-operated store, develop and implement a program for student directors and managers, develop training plans for student employees, develop a computerized file of individuals employed in nontraditional occupations within the Great Falls area, and select a computer management program for the store. Software will include inventory, purchasing, and payroll as well as marketing simulations.

MT8313202.

Task-oriented, Computer-assisted Drafting and Electronics.

Project Director: Holmes, Lee; Dorrance, Paul

Organization: Helena High School 1300 Billings Avenue, Helena, MT 59601.

Telephone: (406) 442-8090.

Sponsoring Agency: Montana State Office of the Superintendent of Public Instruction, Helena.

Contract/Control No.: CN: 83-2502-05-22-16-E503.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $4,340.

Descriptors: Competency-Based-Education. Computer-Assisted-Instruction. Drafting. Electronics. Industrial-Arts.

Identifiers: State. Proposal.

A competency-based, task-oriented, computer-assisted teaching program will be developed for use in industrial education drafting and electronics. The following components will be provided: daily opportunity for students to access the computer; an evaluation system which provides completers with a printout of mastered competencies; individualized instruction; updating capability; and accessibility via phone hookup to other schools with inability to offer such a program. Project staff will implement hardware and software programming and develop competency-based objectives, input all teaching and curriculum materials, test and debug programs during the first year of student usage, and refine previously developed computer programs. A flyer describing the program capabilities will be distributed. A floppy disk will be available to instructors in Montana for adopting this approach.

Curriculum Development (Sec. 133)

MT8313301.

Model to Support Curriculum and Program Implementation Which Addresses Priority Issues Impacting upon Vocational Home

Economics in Montana.

Project Director: Southers, Chris

Organization: Department of Home Economics University of Montana, Missoula, MT 59812.

Telephone: (406) 243-4562.

Sponsoring Agency: Montana State Office of the Superintendent of Public Instruction, Helena.

Contract/Control No.: CN: 83-5704-05-23-21-C612.

Funding Period: Start Date 01 Nov 82; End Date 30 Jun 83.

Fiscal Year Funding: $2,370.

Descriptors: Home-Economics. Institutional-Cooperation. Teacher-Workshops.

Identifiers: State. Proposal.

A model will be developed as the basis for coordinating vocational home economics activities in Montana among local school districts, teacher education programs, and state supervisory personnel. Eleven home economics teachers and two home economics teacher educators will participate in a workshop for developing the model. The model will support curriculum and program implementation which addresses priority issues impacting upon vocational home economics in the state. Workshop participants and steering committee members will complete evaluation forms; feedback from teachers in the field also will be solicited. A summary of workshop results and a copy of the model will be sent to all participants. Information will be disseminated to all home economics teachers in Montana.

MT8313302.

Vocational-Agriculture Core Curriculum Development.

Project Director: Bishop, Douglas

Organization: Montana State University Bozeman, MT 59717.

Telephone: (406) 994-3692.

Sponsoring Agency: Montana State Office of the Superintendent of Public Instruction, Helena.

Contract/Control No.: CN: 83-5703-05-23-21-C609.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $3,000.

Descriptors: Agricultural-Education. Core-Curriculum.

Identifiers: State. Proposal.

A revised two-year core curriculum will be reviewed, refined, published, and distributed to each vocational agriculture department in Montana. Project staff will demonstrate the manner in which the two-year core curriculum can be used to improve instruction in vocational agriculture. Departmental staff and the advisory council will review the revised curriculum.

New Hampshire

Research (Sec. 131)

NH8313101.
Research in One-Year Vocational Enrollments.
Project Director: Lister, Robert J.
Organization: Educational Training Associates 54 Hillcrest Drive, Portsmouth, NH 03801.
Telephone: (603) 431-6577.
Sponsoring Agency: New Hampshire State Dept. of Education, Concord.
Contract/Control No.: CN: 10-56-600320-90-312R-1043.
Funding Period: Start Date 11 Jan 83; End Date 31 Aug 83.
Fiscal Year Funding: $4,000.
Descriptors: Enrollment. Enrollment-Influences. Educational-Research.
Identifiers: State. Proposal.

The impact of one-year enrollments in two-year secondary vocational programs will be determined, with special attention directed to enrollees who cannot complete the program, particularly 12th graders who enroll in the last year of a two-year program. Current literature pertaining to length of enrollment in secondary vocational programs will be reviewed, and site interviews will be conducted. The final report delivered will include the literature searches and reviews, computer analyses, survey instruments, descriptions of current enrollment practices in secondary vocational education nationally and in New Hampshire, and recommendations for future vocational programming.

New Jersey

Research (Sec. 131)

NJ8313102.
Project Access '82.
Project Director: Heidenberg, Estelle M.
Organization: Warren County Technical School RD 1, Box 168A, Washington, NJ 07882.
Telephone: (201) 689-0122.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SREG 302.
Funding Period: Start Date 01 Sep 82; End Date 30 Jun 83.
Fiscal Year Funding: $10,500.
Descriptors: Career-Awareness. Enrollment. Equal-Education. Grade-9. Occupational-Information. Pilot-Projects. School-Shops. Sex-Fairness. Shop-Curriculum.
Identifiers: State. Proposal.

A pilot program will be conducted to overcome sex role stereotyping and sex bias in vocational shop enrollment. Ninth grade students at a technical school will be exposed to all shops offered at the school and will attend minicourses in at least twelve shop programs. Students also will receive career and job market awareness, with emphasis on overcoming sex bias in the workplace. Two industrial arts teachers will conduct these classes and similar classes for parents. An analysis of program results will be used in planning the following year's program and will be shared with other New Jersey vocational schools.

NJ8313104.
Use of the Computer for Career Exploration and Preparation for the Handicapped.
Project Director: Nissman, Blossom S.
Organization: Central Burlington County Region for Special Education c/o Westampton School, RD 1, Mount Holly, NJ 08060.
Telephone: (609) 267-9238.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SREG 304.
Funding Period: Start Date 01 Sep 82; End Date 30 Jun 83.
Fiscal Year Funding: $10,300.
Descriptors: Career-Choice. Career-Exploration. Disabilities. Microcomputers. Self-Concept.
Identifiers: State. Proposal.

Handicapped students will use microcomputers to learn computer operation, explore career goals and potential, enhance basic skills, and enhance their self-images. The target group and a control group will be given the IDEAS Interest Inventory, the Piers Harris Self-concept Scale, and the Iowa Basic Skills Test. The control group will receive the same instruction as the target group, but without the use of learning disks. At the end of the year, posttests will be administered to both groups to measure changes in career perceptions, self image, and basic skills. A final report will be delivered, to be used as a guideline for teachers in similar programs.

NJ8313105.
Vocational Education for Severely and Profoundly Retarded Persons: An Institutional Approach.
Project Director: Bowman, David J.
Organization: American Institute for Mental Studies 1667 East Landis Avenue, Vineland, NJ 08360.
Telephone: (609) 691-0021.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SREG 307.
Funding Period: Start Date 01 Aug 82; End Date 30 Jun 83.
Fiscal Year Funding: $18,040.
Descriptors: Evaluation-Methods. Job-Skills. Job-Training. Psychomotor-Skills. Severe-Mental-Retardation. Student-Placement. Transfer-of-Training.
Identifiers: State. Proposal.

Evaluation methods used with mentally retarded persons will be modified for use with the severely retarded, who will develop job skills in at least two occupational areas and be successfully placed in a job training program. Students will be taught gross and fine motor skills, job skills, vocational mastery, and transferability. Work by experimental and control groups will be evaluated, and results will aid in the development of curriculum materials and teaching packets.

NJ8313106.
Project SAVE (Skills, Attitudes, Values Essential for Employment).
Project Director: Chenard, Marcelle Y.
Organization: College of Saint Elizabeth Convent Station, NJ 07961.
Telephone: (201) 539-1600.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SREG 316.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $14,980.
Descriptors: Employee-Attitudes. Employed-Women. Employer-Attitudes. Job-Skills. Values.
Identifiers: State. Proposal.

Female students in a research methods course will conduct a descriptive survey of self-administered questionnaires and personal interviews to determine the skills, attitudes, and values which women deem essential for employment and promotion. Female employees (including handicapped) in Morris County businesses and industry will be randomly selected to indicate which skills are necessary, most difficult to acquire, and helped them most in their work. After data is analyzed, findings will be compared with findings from a previous survey of employers concerning essential skills. These findings will serve as a basis for curriculum revision and development in area secondary and postsecondary schools.

NJ8313107.
Statewide Curriculum Dissemination Project.
Project Director: Sullivan, Betty Anne
Organization: Rutgers, The State University Vocational Technical Curriculum Laboratory, Building #4103, Kilmer Campus, New Brunswick, NJ 08903.
Telephone: (201) 932-3845.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SREG 335, SEMG 377, SCDG 346.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $16,564.
Descriptors: Bibliographies. Catalogs. Delivery-Systems. Educational-Resources. Information-Services. Technical-Assistance.
Identifiers: State. Proposal. Request for Proposal.

An efficient means of disseminating recent curriculum and bibliographic materials to New Jersey vocational educators will be developed. Project staff will assemble resources and provide information services; assist local education agencies with curriculum-related questions; assist with curriculum development, field-testing, evaluation, and publication; edit and publish a Request for Proposal (RFP) book and a volume of abstracts of RFP-funded projects; coordinate the annual RFP dissemination conference; and continually revise, publish, and make available the catalog of curriculum materials. This project will support the implementation of vocational education curriculum improvement in New Jersey.

NJ8313108.
Research into Practice.

Project Director: Fuller, Jeffrey L.
Organization: Educational Improvement Center—Northwest 202 Johnson Road, Building 3, Morris Plains, NJ 07905.
Telephone: (201) 539-0331.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SREG 311.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $25,637.
Descriptors: Employer-Attitudes. Job-Skills. Research-Utilization. Teaching-Guides.
Identifiers: State. Proposal.

A process to relate raw research data (concerning skills, attitudes, and values important to employers) to specific school settings will be developed. Research findings will be disseminated to staff at a regional high school who will plan curricular guidelines infusing the findings. An inservice plan will be developed with regard to implementation of new curricula. Curricula guidelines will be evaluated through a study of student behavior and staff and student perceptions of the change. Project findings and materials will be disseminated through a handbook containing guidelines and the development and implementation process.

Exemplary and Innovative (Sec. 132)

NJ8313201.

Job Training for Adults Coupled with Occupationally Specific English as a Second Language.

Project Director: Acampora, Louise
Organization: Union City Board of Education 3912 Bergen Turnpike, Union City, NJ 07087.
Telephone: (201) 348-5886.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SEMG: 370.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $22,750.
Descriptors: Adult-Vocational-Education. Adult-Literacy. Bilingual-Education. English-Second-Language. English-Instruction. Job-Training. Linguistics. Unskilled-Workers. Urban-Population. Vocabulary-Development.
Identifiers: State. Proposal.

Pre-employment training for unskilled, non-English speaking urban adults will be provided through the development of a bilingual program offering vocational training and English instruction. Some vocational training will be conducted at area businesses. Teachers will develop curriculum and bilingual counselors will recruit the adult participants. Criteria for selection will include literacy in one's own language, interest in the program, and availability and desire for full-time training and subsequent employment. Program completers will be placed in full-time jobs as well as in ongoing English as a second language classes. The project will act as a replicable model that emphasizes English linguistic patterns and vocabulary relevant to vocational tests and jobs.

NJ8313202.

Establishing Cooperative High School Work Experience Arrangements with Public and Private Agencies in Training and Placing Home and Health Care Aides into Employment.

Project Director: Grossman, Stanley
Organization: Union County Regional High School District #1 c/o Jonathan Dayton Regional High School, Mountain Avenue, Springfield, NJ 07081.
Telephone: (201) 376-6300.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SEMG 312.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $22,410.
Descriptors: Allied-Health-Occupations-Education. Cooperative-Programs. Employment-Opportunities. Grade-11. Grade-12. Home-Health-Aides. Work-Experience-Programs.
Identifiers: State. Proposal.

A cooperative work experience phase will be developed for the home and health care aides program for 11th and 12th grade students. A home economics teacher will survey the job market for potential cooperative work experience participants and future employment possibilities. The teacher then will list cooperative work experience sites and develop related instruction. Private and public sector home and health care services personnel will help the teacher in developing this program, which will lend itself to replication by other districts.

NJ8313203.

Extended Environmental Maintenance Program for Handicapped Students.

Project Director: Smith, C. Edwin
Organization: Lower Camden County Regional District The Archway School, 197 Jackson Road, Atco, NJ 08004.
Telephone: (609) 767-5757.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SEMG 315.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $10,869.
Descriptors: Emotional-Disturbances. Horticulture. Job-Performance. Job-Placement. Multiple-Disabilities. Psychomotor-Skills. Special-Education. Student-Placement. Work-Attitudes. Work-Study-Programs.
Identifiers: State. Proposal.

Twenty multiply handicapped and emotionally disturbed 14- to 20-year olds, who function very low academically, will be trained for helper positions in horticulture. Teachers of the handicapped will coordinate the program which emphasizes psychomotor skills and appropriate work attitudes and behavior. Work-study experiences will be sought for students toward the end of the program, as well as summer employment for returning students and permanent employment for non-returning students. The low cost program will serve as a model for special education units in public schools.

NJ8313204.

Vocational Assessment of Computer Aptitudes.

Project Director: Austin, Robert J.
Organization: Marie H. Katzenbach School for the Deaf 320 Sullivan Way, West Trenton, NJ 08628.
Telephone: (609) 883-2600.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SEMG 310.
Funding Period: Start Date 01 Sep 82; End Date 30 Jun 83.
Fiscal Year Funding: $19,823.
Descriptors: Aptitude-Tests. Computers. Deaf-Blind. Deafness. Disabilities. Emotional-Disturbances. Occupational-Information. Skill-Analysis. Student-Attitudes. Student-Interests. Systems-Development. Tests.
Identifiers: State. Proposal.

A vocational assessment system will be developed to evaluate effectively the computer aptitudes, attitudes, interests, and potential of deaf, deaf/blind, multiply handicapped, and emotionally disturbed students. All students aged 14 and 15 will be taught basic computer operation and evaluated on their performance. Occupational information will be provided to stimulate discussion and consideration of computer careers. The computer aptitude testing system will be available to educators of the deaf throughout the state and neighboring states.

NJ8313205.

Quality, Pride and Productivity: Fantasy or Reality in American Industry.

Project Director: Lock, Robert Y.
Telephone: (201) 842-8000. Red Bank Regional High School 101 Ridge Road, Little Silver, NJ 07739.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SEMG 318.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $12,491.
Descriptors: Communications. Employer-Employee-Relationship.

Labor-Relations. Problem-Solving. Productivity.

Identifiers: State. Proposal. *Quality Circles.

Management, labor, and investors will be trained to communicate more effectively, work together to solve mutual problems, and value each other's contributions. All groups will be surveyed for their perceptions of problems in achieving high productivity and quality. Surveys will be analyzed and discussed in a workshop. Each group will use quality circle techniques to work out mutually acceptable solutions. The school will use project results to acquaint cooperative education students with the concept of employer/employee cooperation. The program will be added to adult education curriculum.

NJ8313206.

Universal Skills Survey.

Project Director: Walls, Thomas J.

Organization: Mercer County Vocational-Technical Schools 1085 Old Trenton Road, Trenton, NJ 08690.

Telephone: (609) 586-2121.

Sponsoring Agency: New Jersey State Dept. of Education, Trenton.

Contract/Control No.: CN: SEMG 321.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $35,719.

Descriptors: Employment-Qualifications. Job-Analysis. Job-Skills. Job-Training. Occupational-Information. Profiles.

Identifiers: State. Proposal.

Occupational profile and skill requirements of a sampling of Mercer County employers will be provided so that skill training for adults will reflect job requirements and student needs. Survey information from twenty local employers, one hundred of their current employees, and twenty training programs will be computer-analyzed and reported. Cooperating employers will have access to this information and will be able to obtain customized training programs for their employees. Inservice workshops will be held for evening school staff and for secondary school staff to aid curriculum updating. Occupational profiles and job skill requirements for at least five jobs in twenty different occupational areas will be delivered.

NJ8313207.

School Industry Linkages: Integration of Proficiency Profiles and Quality Circles.

Project Director: Walsh, Priscilla R.

Organization: Educational Improvement Center—Central 3684 Route #1, Building #1, Princeton, NJ 08854.

Telephone: (201) 985-7769.

Contract/Control No.: CN: SEMG 324.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $11,425.

Descriptors: Employment-Potential. Occupational-Information. Profiles. School-Business-Relationship. Student-Teacher-Relationship.

Identifiers: State. Proposal. *Quality Circles.

A model procedure to expand communication between the student and instructor, the school and employer, and the student and employer will be developed. This procedure informs students of critical job skills; provides schools with employers' hiring and upgrading information; and informs employers about vocational student skills. Schools and employers will participate in an orientation to the integration of the quality circles concept with student profile concepts. Participants will complete a needs assessment survey to indicate their status in this integration. Workshops will be held to help schools and employers develop programs and evaluation methods.

NJ8313208.

Project Follow-up.

Project Director: Fuller, Jeffrey L.

Organization: Educational Improvement Center—Northwest 202 Johnson Road, Building #3, Morris Plains, NJ 07950.

Telephone: (201) 539-0331.

Sponsoring Agency: New Jersey State Dept. of Education, Trenton.

Contract/Control No.: CN: SEMG 328.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $8,025.

Descriptors: Audiotape-Recordings-Employment-Qualifications. Films. Occupational-Information. Slides. Teaching-Guides. Videotape-Recordings.

Identifiers: State. Proposal.

A slide/sound presentation, a videotape, and a teacher's guide will be produced to provide seventh to twelfth grade vocational and technical students with an awareness of the skills, values, and attitudes that employers deem necessary for employment. Project staff will outline film content; prepare script draft; prepare shot list and schedule locations and talent; shoot, edit, and revise film; complete sound recording and musical background; and prepare supplemental printed materials.

NJ8313209.

Study of Work.

Project Director: Favors, Audrey

Organization: Paterson School District 33 Church Street, Paterson, NJ 07505.

Telephone: (201) 881-6302.

Sponsoring Agency: New Jersey State Dept. of Education, Trenton.

Contract/Control No.: CN: SEMG 330.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $16,464.

Descriptors: Career-Education. Community-Involvement. Education-Work-Relationship. Experiential-Learning. Guides. Prevocational-Education.

Identifiers: State. Proposal.

An experience-based prevocational career education program for 700 students will be implemented to teach the relationship between skill acquisition in the classroom and skill application in employment. High school teachers will be trained to teach the program on three levels: infusion of subject matter into course content, classroom-based learning about work roles, and community-based learning about work roles. Project evaluation will determine effectiveness of implementation strategies and the program itself. Training procedures, resource lists, resource files, project activities, and other data will be compiled in a handbook to be available on request. This model program will be maintained by participating teachers at the high school.

NJ8313210.

Microcomputer Integration in the Technology Curricula.

Project Director: DeLuca, Nancy

Organization: Hudson County Community College 900 Bergen Avenue, Jersey City, NJ 07306.

Telephone: (201) 420-5229.

Sponsoring Agency: New Jersey State Dept. of Education, Trenton.

Contract/Control No.: CN: SEMG 339.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $17,970.

Descriptors: Chemistry. Community-Colleges. Computer-Oriented-Programs. Computer-Programs. Electronics. Laboratory-Technology. Microcomputers. Problem-Solving. Simulation.

Identifiers: State. Proposal.

Use of microcomputers will be integrated into electronics technology and chemical laboratory technology curricula to help students prepare for success in industrial employment. Appropriate software will be developed and software packages will be obtained which focus on analysis, simulation, and problem-solving. Faculty workshops will be held to familiarize staff with the computers. Some pilot-testing of the programs will occur, and full integration into the curricula will occur next school year.

NJ8313211.

Development of a Teacher's Guide to Occupational Survival Skills.

Project Director: Newman, Robert C.

Organization: Ocean County Vocational-Technical School Old Freehold Road and Bey Lea, Toms River, NJ 08753.

Telephone: (201) 240-6414.

Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SEMG 348.
Funding Period: Start Date 01 Aug 82; End Date 30 Jun 83.
Fiscal Year Funding: $13,805.
Descriptors: Communication-Skills. Coping. Creativity. Employee-Attitudes. Interpersonal-Competence. Job-Skills. Leadership. Problem-Solving. Self-Concept. Teaching-Guides. Work-Attitudes. Work-Environment.
Identifiers: State. Proposal.

A teacher's guide to occupational survival skills will be developed to accompany twelve occupational survival skills modules for secondary students. Five teacher-made skills samples will be selected and reviewed in each module, field-tested, and modified. The teacher's guide will be assembled, comprising the sixty modules, and disseminated. The modules will include working in organizations, motivation for work, understanding self, interpersonal relations, effective communications, using creativity at work, problem solving, authority and responsibility, leadership, coping with conflict, coping with change, and adapting and planning for the future.

NJ8313212.
Project COPS: Phase II.
Project Director: Tyrrell, Dean David
Organization: Middlesex County College Woodbridge Avenue, Edison, NJ 08818.
Telephone: (201) 548-6000.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SEMG 356.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $15,100.
Descriptors: Community-Colleges. High-Risk-Students. Peer-Counseling. Peer-Teaching. Productivity. School Holding-Power. Self-Evaluation-Individuals. Skill-Development. Student-Attrition.
Identifiers: State. Proposal. *Quality Circles.

The attrition rate of high-risk students in vocational programs at a community college will be reduced through peer tutoring and advisement; their productivity-related skills will be enhanced through quality circle techniques. One-on-one contact with students during registration will be followed by phone contact, tutoring, and contact with faculty and businesses throughout the project to reduce attrition. A control group design will be used to evaluate student skills and attitudes. Criteria for achievement will include attrition rate, percent of credits, grade point average, performance in remedial courses, and student self-assessment. The program will be used as a model for replication in similar settings.

NJ8313213.
Educational Model to Facilitate Deinstitutionalization and the Assumption of the Normal Societal Role of Worker for Emotionally Disabled Citizens.
Project Director: Farro, Geraldine
Organization: Greystone Park Psychiatric Hospital Greystone Park, NJ 07950.
Telephone: (201) 538-1800.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SEMG 369.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $15,056.
Descriptors: Daily-Living-Skills. Deinstitutionalization-of-Disabled. Emotional-Disturbances. Psychiatric-Hospitals. Social-Services.
Identifiers: State. Proposal.

Greystone Park Psychiatric Hospital and Parsippany Adult School will collaborate to help institutionalized mental patients make the transition to living in the community. Sixteen emotionally disabled adults will be provided with instruction and hands-on experience in the following community survival skills: basic housekeeping, use of transportation, money management, wise shopping, nutrition and meal preparation, use of community leisure and social services, and orientation to the world of work. Hospital staff will be taught how to teach these skills to the residents. This program will serve as a model for other institutional settings, such as prisons.

Curriculum Development (Sec. 133)

NJ8313301.
Computer Assisted Vocational English.
Project Director: McGrorry, Rosemary; And Others
Organization: Manchester Township Board of Education Route 539, Whiting, NJ 08759.
Telephone: (201) 341-4800.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SCDG 313.
Funding Period: Start Date 01 Aug 82; End Date 30 Jun 83.
Fiscal Year Funding: $21,728.
Descriptors: Allied-Health-Occupations-Education. Auto-Mechanics. Building-Trades. Climate-Control. Computer-Programs. Cosmetology. Dual-Enrollment. Electrical-Occupations. English-Instruction.
Identifiers: State. Proposal. *Recreational Vehicles.

Twenty-four sex fair computer programs will be developed to help shared-time students with their vocational education English skills. Curriculum areas to be covered will be automotive, climate control, building trades, electrical trades, beauty culture, recreational vehicles, and medical skills and related health careers. Each program will include tests and vocational quizzes. A computer program designed to increase the computer literacy of vocational students also will be produced.

NJ8313302.
Vocational Reading Curriculum for Employment Orientation.
Project Director: Woodruff, Nancy S.
Organization: Gloucester County Vocational-Technical School Tanyard Road, Box 186, Sewell, NJ 08080.
Telephone: (609) 468-1445.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SCDG 311.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $3,535.
Descriptors: Individualized-Instruction. Job-Training. Learning-Modules. Reading-Difficulties. Reading-Instruction. Reading-Programs. Reading-Skills. Trade-and-Industrial-Education.
Identifiers: State. Proposal. Small Engine Mechanics.

Individualized instructional materials in trade-related and survival reading will be developed and field-tested to help employment orientation students with severe reading disabilities. Teachers in twelve trade areas will be surveyed concerning necessary basic reading skills for particular occupations. Curriculum will be developed using survey results. Forty employment orientation students will be tested to determine deficiency areas and preferred learning modes. These students will use the new materials and teachers will monitor their progress. Students will be posttested to determine effectiveness of the materials. Individualized learning packets in the following areas will be delivered: building trades, health occupations, masonry, child care, cosmetology, electrical trades, landscape/horticulture, small engine repair, graphic communications, plumbing, data processing, and commercial foods.

NJ8313303.
Career and Vocational Awareness for the Limited English-proficient.
Project Director: Palaia, Susan; Di Mattio, Susan
Organization: Township of Ocean Board of Education 163 Monmouth Road, Oakhurst, NJ 07755.
Telephone: (201) 531-6600.
Sponsoring Agency: New Jersey State Dept. of Education, Trenton.
Contract/Control No.: CN: SDCG 319.
Funding Period: Start Date 01 Sep 82; End Date 30 Jun 83.
Fiscal Year Funding: $6,375.
Descriptors: Career-Awareness. Community-Resources. Curriculum-Guides. Limited-English-Speaking. Occupational-Information. Resource-Materials.
Identifiers: State. Proposal.

A K-12 curriculum guide and community resource guide will be developed to encourage career and vocational awareness in students with limited English proficiency. Curriculum materials representing thiry-one languages will be compiled, and sample units for each grade level will be field-tested. Students will visit at least four community businesses, industries, political institutions, or educational institutions. Pre- and posttests will be conducted and a curriculum model delivered.

NJ8313304.

New Jersey Standards for Industrial Arts Programs.

Project Director: Walsh, Priscilla R.

Organization: Educational Improvement Center-Central 3684 Route 1, Building 1, Princeton, NJ 08854.

Telephone: (201) 985-7769.

Sponsoring Agency: New Jersey State Dept. of Education, Trenton.

Contract/Control No.: CN: SCDG 330.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $7,713.

Descriptors: Guides. Industrial-Arts. Industrial-Arts-Teachers. Inservice-Teacher-Education. State-Standards. Teacher-workshops.

Identifiers: State. Proposal.

General standards for New Jersey industrial arts programs will be revised following a review of the handbook, 'Standards for Industrial Arts Programs,' developed for the US Department of Education. A handbook will be written and copies distributed at regional workshops to teachers who will be trained to use them and will be allowed to share them with other teachers at their respective schools. Flyers will announce handbook availability through resource center loan. The finished handbook will contain standards, an AIASA guide for industrial arts programs, sex equity guide, and a special needs guide.

NJ8313305.

Career Awareness Program through Math: An Emphasis on Problem Solving and Computers.

Project Director: Sanderson, Karen

Organization: Educational Improvement Center—South 207 Delsea Drive, Route 47, RD 4, Box 209, Sewell, NJ 08080.

Telephone: (609) 228-6000.

Sponsoring Agency: New Jersey State Dept. of Education, Trenton.

Contract/Control No.: CN: SCDG 332.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $30,997.

Descriptors: Career-Awareness. Career-Exploration. Computers. High-Schools. Junior-High-Schools. Mathematics-Education. Problem-Solving. Sex-Stereotypes.

Identifiers: State. Proposal.

A career awareness kit for junior and senior high school math courses will be developed emphasizing problem solving, importance of math for careers, computers, and overcoming occupational sex stereotyping. Components will include ten career exploration lessons and four computer and careers lessons. Each lesson will include a filmstrip/cassette, student's worksheet, and teacher's guide. After the kit is completed, workshops will be held to help teachers incorporate the kit into math curriculum.

NJ8313306.

Auto Trades Instructional Materials Development—Phase 2.

Project Director: Felice, Frederick W.

Organization: Ocean County Vocational-Technical School Old Freehold and Bey Lea Roads, Toms River, NJ 08753.

Telephone: (201) 240-6414.

Sponsoring Agency: New Jersey State Dept. of Education, Trenton.

Contract/Control No.: CN: SCDG 337.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $10,100.

Descriptors: Audiotape-Cassettes. Audiovisual-Aids. Auto-Body-Repairers. Auto-Mechanics. Filmstrips. Pacing.

Identifiers: State. Proposal.

Audiovisual self-paced materials will be developed to support instruction in secondary level automotive and auto body mechanics. Ten filmstrips and matching cassettes will be developed, with the students themselves appearing in the films. After field-testing, the materials will be demonstrated to other interested teachers, and copies will be made available.

NJ8313307.

Development and Field Testing of Competency-based Instructional Materials for a Career Mobility Program for Licensed Practical Nurses.

Project Director: Sonn, Phyllis

Organization: Bergen Community College 400 Paramus Road, Paramus, NJ 07652.

Telephone: (201) 447-1500.

Sponsoring Agency: New Jersey State Dept. of Education, Trenton.

Contract/Control No.: CN: SCDG 339.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $13,000.

Descriptors: Associate-Degrees. Career-Development. Clinical-Experience. Competency-Based-Education. Learning-Modules. Nurses. Nursing-Education. Practical-Nursing.

Identifiers: State. Proposal.

A program will be developed which enables licensed practical nurses to earn an associate degree in nursing in twelve months. Instructional modules for the first two courses will be field-tested. Three more courses then will be developed and field-tested. Students will be required to demonstrate theoretical knowledge, nursing skills, and clinical application of theory and skills; cumulative tests will be given periodically. All materials will be evaluated and revised. The National League for Nursing Achievement Tests and the Licensing Examination for Registered Nurses will be administered to program completers.

NJ8313308.

Statewide Curriculum Development Project.

Project Director: Wichowski, Chester

Organization: Rutgers, The State University, Graduate School of Education Vocational-Technical Curriculum Laboratory, Building #403, Kilmer Campus, New Brunswick, NJ 08903.

Telephone: (201) 932-7937.

Sponsoring Agency: New Jersey State Dept. of Education, Trenton.

Contract/Control No.: CN: SCDG 345.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $57,373.

Descriptors: Agricultural-Education. Competency-Based-Education. Data-Processing. Dental-Assistants. Distributive-Education. Health-Occupations. Home-Economics-Education. Marketing. Work-Processing.

Identifiers: State. Proposal.

Competency-based curriculum materials for agricultural education, home economics education, and marketing and distributive education will be produced. A needs assessment will be performed; materials will be developed, field-tested, evaluated, and disseminated; and a summative evaluation will be performed. Other tasks to be performed this year will include the field-testing of dental assisting and exploratory health occupations curriculum materials; dissemination of the word and data processing review; revision of statewide curriculum development model; and development of a method for reviewing and revising existing curriculum materials sold by the New Jersey Vocational-Technical Curriculum Laboratory.

New Mexico

Research (Sec. 131)

NM8313101.

Management Information System/Vocational-Technical Information System (MIS/VTIS).

Project Director: Cooper, Lloyd G.

Organization: New Mexico State University Box 3N, Las Cruces, NM 88003.

Telephone: (505) 646-4017.

Sponsoring Agency: New Mexico State Dept. of Education, Santa Fe.

Contract/Control No.: CN: 951.6.3-01-12.451; 964.0.3-00-12.451.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $125,275.

Descriptors: Computer-Oriented-Programs. Data-Collection. Educational-Administration. Information-Dissemination. Information-Systems. Management-Systems.

Identifiers: State. Proposal.

An (MIS/VTIS) project will be established to collect, process, and disseminate information for the division's postsecondary file to increase its value as a management tool. Additional analysis will include an expanded review of enrollments and programs, the relationship between programs and occupational needs, and cost-benefit analysis of programs. Support functions such as facilities, equipment, and travel will be provided.

NM8313102.

Articulation to Facilitate Mainstreaming for Vocational Special Needs Students.

Project Director: Blasi, Joyce F.

Organization: Eastern New Mexico University Station #25, Portales, NM 88130.

Telephone: (505) 562-2782.

Sponsoring Agency: New Mexico State Dept. of Education, Santa Fe.

Contract/Control No.: CN: 951.1.3-01-12.553.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,590.

Descriptors: Articulation-Education. Disabilities. Disadvantaged. Mainstreaming. Program-Descriptions. School-Personnel. Teaching-Methods. Workshops.

Identifiers: State. Proposal.

Workshops will be held in five regions of New Mexico to provide school staff members with a common base of information on educational programs for vocational special needs students. A team composed of an administrator, counselor, vocational educator, and special educator from a school system will participate in a two-day workshop on legislation, individualizing, program organization, communications, and teaching methodology. Hands-on activities will be included in the workshop format. Each team will develop a mutual support plan for its school. A final report will be delivered.

Exemplary and Innovative (Sec. 132)

NM8313201.

Intensive Evaluation and Training for Independent Living.

Project Director: Thompson, Nancy Dunn.

Organization: New Mexico School for the Visually Handicapped 1900 North White Sands Boulevard, Alamogordo, NM 88310.

Telephone: (505) 437-3505.

Sponsoring Agency: New Mexico State Dept. of Education, Santa Fe.

Contract/Control No.: CN: 951.1.2-02-15.370.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $20,000.

Descriptors: Blindness. Job-Placement. Prevocational-Education. Self-Care-Skills. Visual-Impairments. Work-Experience-Programs.

Identifiers: State. Proposal. Independent Living.

Visually impaired and blind students will be provided with vocational training and employment placement services with one-year follow-up after graduation. Local work experiences and summer employment will be developed. Activities for each student will be synthesized into a comprehensive prevocational training and guidance system. Projects will be begun to give more students more exposure to the world of work. Programs in living skills, grooming and hygiene, and mobility instruction will be developed to help visually impaired students live as independently as possible. Inservice training on career exploration and awareness will be developed. The community and state will be made more aware of the work abilities of visually impaired persons through public relations activities.

Curriculum Development (Sec. 133)

NM8313301.

Communications Curriculum Guide.

Project Director: Cunico, Gerald E.

Organization: University of New Mexico College of Education, Industrial Education, Albuquerque, NM 87131.

Telephone: (505) 277-6422.

Sponsoring Agency: New Mexico State Dept. of Education, Santa Fe.

Contract/Control No.: CN: 951.6.3-03-12.265.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $9,161.

Descriptors: Communication-Skills. Curriculum-Guides. Industrial-Education.

Identifiers: State. Proposal.

A communications curriculum guide, current and in keeping with content cluster trends, will be developed for junior and senior high students in industrial education communications programs. It will emphasize concepts rather than specific skill development and will provide experiences to enhance students' abilities to understand technological advances. The guide will relate directly to New Mexico's master plan for industrial education.

NM8313302.

Vocational Curriculum Materials Dissemination Center.

Project Director: Simmons, Ron

Organization: Eastern New Mexico University Station #11, Portales, NM 88130.

Telephone: (505) 562-2288.

Sponsoring Agency: New Mexico State Dept. of Education, Santa Fe.

Contract/Control No.: CN: 951.6.3-03-12.551.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $12,773.

Descriptors: Allied-Health-Occupations-Education. Curriculum-Guides. Curriculum-Study-Centers. Distributive-Education. Instructional-Materials. Office-Occupations-Education. Trade-and-Industrial-Education.

Identifiers: State. Proposal.

Vocational curriculum materials will be gathered, catalogued, and listed to aid teachers in providing up-to-date instruction for secondary, postsecondary, and adult education. This listing will be compiled within a curriculum dissemination center, then mailed to vocational educators for checkout, review, and checkin. The center will be housed within the vocational teacher education department at Eastern New Mexico University. Materials will be organized by trade and service areas of vocational education. Emphasis will be on distributive education, office education, trade and industrial education, and health occupations education. Materials will be updated continually. An updated curriculum guide will be delivered.

New York

Research (Sec. 131)

NY8313101.

Placement Study: Geographic Mobility of Postsecondary Occupational Education Completers/Leavers.

Project Director: Winter, Gene M.

Organization: Two-Year College Development Center State University of New York—Albany, 1400 Washington Avenue, Albany, NY 12222.

Telephone: (518) 455-6271.

Sponsoring Agency: New York State Education Department, Albany.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $31,437.

Descriptors: Data-Collection. Employment-Opportunities. Graduate-Surveys. Migration.

Identifiers: State. Proposal.

Project staff will use available data and collect necessary new data concerning completers and leavers in the field of agriculture, allied health, technology, business, and service. The question of requiring local employment needs to be considered in college program planning and approval will be considered. A research report and summary will be disseminated to two-year colleges and the state department of education.

NY8313102.

Faculty Profile: Postsecondary Occupational Education.

Project Director: Winter, Gene M.

Organization: Two-Year College Development Center State University of New York—Albany, 1400 Washington Avenue, Albany, NY 12222.

Telephone: (518) 455-6271.

Sponsoring Agency: New York State Education Department, Albany.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $24,990.

Descriptors: Demography. Educational-Needs. Inservice-Education. Professional-Development. Profiles. Teacher-Recruitment.

Identifiers: State. Proposal.

A demographic and inservice needs profile of faculty in postsecondary occupational education will be developed. This will aid decisions on inservice education, recruitment needs, and professional training programs. Faculty, department chairs, and other administrators in ten selected sites will be surveyed. Data will be analyzed, and a final report will be delivered.

NY8313103.

Assessment of Effectiveness: Developmental Programs in Postsecondary Occupational Education.

Project Director: Fadale, LaVerna M.

Organization: Two-Year College Development Center State University of New York—Albany, 1400 Washington Avenue, Albany, NY 12222.

Telephone: (518) 455-6271.

Sponsoring Agency: New York State Education Department, Albany.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $39,958.

Descriptors: Developmental-Programs. Evaluation-Methods. Program-Effectiveness. Program-Evaluation.

Identifiers: State. Proposal.

A method for defining the success of developmental programs in postsecondary occupational education will be designed. Identification of such criteria will help measure effectiveness and assist in policymaking. A statewide survey will be implemented to verify program definitions of success, verify data required to assess program effectiveness, and determine data availability. A final report will be delivered.

NY8313104.

Determining the Economic Returns on Investment in Selected Occupational Education Programs at Postsecondary Institutions.

Project Director: Mills, Edward

Organization: Monroe Community College 1000 East Henrietta Road, Rochester, NY 14623.

Telephone: (716) 424-5200.

Sponsoring Agency: New York State Education Department, Albany.

Funding Period: Start Date 01 Sep 82; End Date 31 Aug 83.

Fiscal Year Funding: $52,326.

Descriptors: Data-Collection. Documentation. Economic-Status. Outcomes-Of-Education. Salaries. Technical-Education. Two-Year-Colleges.

Identifiers: State. Proposal.

This study will provide legislators and taxpayers with documentation regarding the economic benefits of two-year technical training. It will also aid college decision makers with program evaluation and development. New York state employers employing more than 100 workers will be sampled concerning sources of employees, salaries, etc. Two-year schools which supply these firms with employees also will be sampled. Data will be analyzed. A final research procedures report and a report of findings will be delivered.

North Dakota

Research (Sec. 131)

ND8313101.
Educational Resources Information Center (ERIC).
Organization: Chester Fritz Library, University of North Dakota Bismarck, ND 58505.
Sponsoring Agency: North Dakota State Board for Vocational Education, Bismarck.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $1,500.
Descriptors: Exhibits. Library-Services. Reference-Services. Databases.
Identifiers: State. Proposal.

ERIC search services will be provided to vocational educators through the Chester Fritz Library. An exhibit of ERIC materials and services will be conducted during the 1983 All Service Vocational Education Conference.

Ohio

Exemplary and Innovative (Sec. 132)

OH8313201.
Career Development Program—Grades K-10.
Project Director: Kallner, Brenda.
Organization: Scioto County Joint Vocational School Box 766, Lucasville, OH 45648.
Sponsoring Agency: Ohio State Dept. of Education, Columbus.
Contract/Control No.: CN: CD-43-83.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $151,990.
Descriptors: Career-Development. Decision-Making-Skills. Inservice-Teacher-Education. Integrated-Curriculum. Learning-Activities. Occupational-Information. Self-Evaluation.
Identifiers: State. Proposal.

The Scioto County Joint Vocational School's continuing K-10 career development program of motivation, orientation, and exploration is designed to help prepare learners to make career and education choices and to equip students with skills essential for the transition from school to work. Activities in grades K-6 develop career awareness and positive work attitudes. Grade 7 and 8 activities focus on career orientation, worker characteristics, relevance of school subjects to occupational areas, and self-evaluation of interests, aptitudes, and abilities. Activities in grades 9 and 10 center on in-depth exploration in occupational areas of the student's choice, work experience, and value and interest clarification. Inservice training will be provided for integrating career education concepts into the curriculum, and the use of career-related materials will be demonstrated for teachers, counselors, and students. Students in all three program components will be provided with speakers and field experiences.

OH8313202.
Career Development Program—Grades K-10.
Project Director: Wade, Howard
Organization: Orrville City 815 North Ella Street, Orville, OH 44667.
Telephone: (216) 682-4816.
Sponsoring Agency: Ohio State Dept. of Education, Columbus.
Contract/Control No.: CN: CD-34-83.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $16,860.
Descriptors: Career-Development. Decision-Making-Skills. Inservice-Teacher-Education. Integrated-Curriculum. Learning-Activities. Occupational-Information. Self-Evaluation.
Identifiers: State. Proposal.

The Orrville City school system's continuing K-10 career development program of motivation, orientation, and exploration is designed to help prepare learners to make career and education choices and to equip students with skills essential for the transition from school to work. Activities in grades K-6 develop career awareness and positive work attitudes. Grades 7 and 8 activities focus on career orientation, worker characteristics, relevance of school subjects to occupational areas, and self-evaluation of interests, aptitudes, and abilities. Activities in grades 9 and 10 center on in-depth exploration in occupational areas of the student's choice, work experience, and value and interest clarification. Inservice training will be provided for integrating career education concepts into the curriculum, and the use of career-related materials will be demonstrated for teachers, counselors, and students. Students in all three program components will be provided with speakers and field experiences.

OH8313203.
Career Development Program—Grades K-10.
Project Director: Gilbert, James
Organization: Montgomery County Joint Vocational School 6800 Hoke Road, Clayton, OH 45315.
Telephone: (513) 837-7781.
Sponsoring Agency: Ohio State Dept. of Education, Columbus.
Contract/Control No.: CN: CD-31-83.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $144,636.
Descriptors: Career-Development. Decision-Making-Skills. Inservice-Teacher-Education. Integrated-Curriculum. Learning-Activities. Occupational-Information. Self-Evaluation.
Identifiers: State. Proposal.

The Montgomery County Joint Vocational School's continuing K-10 career development program of motivation, orientation, and exploration is designed to help prepare learners to make career and education choices and to equip students with skills essential for the transition from school to work. Activities in grades K-6 develop career awareness and positive work attitudes. Grades 7 and 8 activities focus on career orientation, worker characteristics, relevance of school subjects to occupational areas, and self-evaluation of interests, aptitudes, and abilities. Activities in grades 9 and 10 center on in-depth exploration in occupational areas of the student's choice, work experience, and value and interest clarification. Inservice training will be provided for integrating career education concepts into the curriculum, and the use of career-related materials will be demonstrated for teachers, counselors, and students. Students in all three program components will be provided with speakers and field experiences.

OH8313204.
Career Development Program—Grades K-10.
Project Director: Morehead, Chuck
Organization: Maysville Local Schools 2739 Pinkerton Road, South Zanesville, OH 43701.
Telephone: (614) 453-0877.
Sponsoring Agency: Ohio State Dept. of Education, Columbus.
Contract/Control No.: CN: CD-27-83.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $18,620.
Descriptors: Career-Development. Decision-Making-Skills. Inservice-Teacher-Education. Integrated-Curriculum. Learning-Activities. Occupational-Information. Self-Evaluation.
Identifiers: State. Proposal.

The Maysville Local Schools' continuing K-10 career development program of motivation, orientation, and exploration is designed to help prepare learners to make career and education choices and to equip students with skills essential for the transition from school to work. Activities in grades K-6 develop career awareness and positive work attitudes. Grades 7 and 8 activities focus on career orientation, worker characteristics, relevance of school subjects to occupational areas, and self-evaluation of interests, aptitudes, and abilities. Activities in grades 9 and 10 center on in-depth exploration in occupational areas of the student's choice, work experience, and value and interest clarification. Inservice training will be provided for integrating career education concepts into the curriculum, and the use of career-related materials will be demonstrated for teachers, counselors, and students. Students in all three program components will be provided with speakers and field experiences.

OH8313205.
Career Development Program—Grades K-10.
Project Director: Koch, Virginia
Organization: Lawrence County Joint Vocational School Route 2, Getaway, Chesapeake, OH 45619.
Telephone: (614) 867-6641.
Sponsoring Agency: Ohio State Dept. of Education, Columbus.
Contract/Control No.: CN: CD-20-83.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $400.

Descriptors: Career-Development. Decision-Making-Skills. Inservice-Teacher-Education. Integrated-Curriculum. Learning-Activities. Occupational-Information. Self-Evaluation.

Identifiers: State. Proposal.

The Lawrence County Joint Vocational School's continuing K-10 career development program of motivation, orientation, and exploration is designed to help prepare learners to make career and education choices and to equip students with skills essential for the transition from school to work. Activities in grades K-6 develop career awareness and positive work attitudes. Grades 7 and 8 activities focus on career orientation, worker characteristics, relevance of school subjects to occupational areas, and self-evaluation of interests, aptitudes, and abilities. Activities in grades 9 and 10 center on in-depth exploration in occupational areas of the student's choice, work experience, and value and interest clarification. Inservice training will be provided for integrating career education concepts into the curriculum, and the use of career-related materials will be demonstrated for teachers, counselors, and students. Students in all three program components will be provided with speakers and field experiences.

OH8313206.

Career Development Programs—Grades K-10.

Project Director: Rammes, Robert

Organization: Dayton City Schools 348 West First Street, Dayton, OH 45402.

Telephone: (513) 262-3777.

Sponsoring Agency: Ohio State Dept. of Education, Columbus.

Contract/Control No.: CN: CD-11-83.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $223,320.

Descriptors: Career-Development. Decision-Making-Skills. Inservice-Teacher-Education. Integrated-Curriculum. Learning-Activities. Occupational-Information. Self-Evaluation.

Identifiers: State. Proposal.

The Dayton City Schools' continuing K-10 career development program of motivation, orientation, and exploration is designed to help prepare learners to make career and education choices and to equip students with skills essential for the transition from school to work. Activities in grades K-6 develop career awareness and positive work attitudes. Grades 7 and 8 activities focus on career orientation, worker characteristics, relevance of school subjects to occupational areas, and self-evaluation of interests, aptitudes, and abilities. Activities in grades 9 and 10 center on in-depth exploration in occupational areas of the student's choice, work experience, and value and interest clarification. Inservice training will be provided for integrating career education concepts into the curriculum, and the use of career-related materials will be demonstrated for teachers, counselors, and students. Students in all three program components will be provided with speakers and field experiences.

OH8313207.

Career Development Program—Grades K-10.

Project Director: Gadd, Linda; Duerksen, Mary

Organization: Butler County Joint Vocational School 3603 Hamilton-Middletown Road, Hamilton, OH 45011.

Telephone: (513) 867-5910.

Sponsoring Agency: Ohio State Dept. of Education, Columbus.

Contract/Control No.: CN: CD-3-83.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $103,750.

Descriptors: Career-Development. Decision-Making-Skills. Inservice-Teacher-Education. Integrated-Curriculum. Learning-Activities. Occupational-Information. Self-Evaluation.

Identifiers: State. Proposal.

The Butler County Joint Vocational School's continuing K-10 career development program of motivation, orientation, and exploration is designed to help prepare learners to make career and education choices and to equip students with skills essential for the transition from school to work. Activities in grades K-6 develop career awareness and positive work attitudes. Grade 7 and 8 activities focus on career orientation, worker characteristics, relevance of school subjects to occupational areas, and self-evaluation of interests, aptitudes, and abilities. Activities in grades 9 and 10 center on in-depth exploration in occupational areas of the student's choice, work experience, and value and interest clarification. Inservice training will be provided for integrating career education concepts into the curriculum, and the use of career-related materials will be demonstrated for teachers, counselors, and students. Students in all three program components will be provided with speakers and field experiences.

Oklahoma

Research (Sec. 131)

OK8313101.
Barriers to Student Completion of Vocational Programs.
Project Director: Frazier, Don
Organization: Oklahoma Research Coordinating Unit 1500 West Seventh, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK831311017.
Funding Period: Start Date 01 Feb 83; End Date 30 Jun 83.
Fiscal Year Funding: $5,000.
Descriptors: Dropout-Characteristics. Dropout-Research. Dropouts.
Identifiers: State. Proposal. *Student Accounting System.

Reasons why students in two-year vocational programs fail to complete their second year will be identified. Also, the Oklahoma Student Accounting System's (SAS) accuracy in tracking vocational students through high school will be measured. SAS files will be searched to identify 11th grade student dropouts from the 1982-83 school year. Attempts will be made to contact dropouts by mail survey to identify reasons for withdrawal from school. Research results, mostly descriptive statistics, will be distributed to teachers and administrators. A final report also will be delivered.

OK8313102.
Analysis of Traditional and Nontraditional Enrollment and Follow-up in Oklahoma.
Project Director: Hargrave, Lou A.
Organization: Oklahoma State Department of Vocational and Technical Education 1500 West Seventh Avenue, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK831311018.
Funding Period: Start Date 01 Oct 82; End Date 01 Mar 83.
Fiscal Year Funding: $3,000.
Descriptors: Data-Analysis. Employer-Attitudes. Followup-Studies. Graduate-Surveys. Nontraditional-Occupations. Trend-Analysis. Wages.
Identifiers: State. Proposal.

Data from the Oklahoma Student Accounting System will be used to analyze students' completion status, follow-up findings, employers' ratings, and wages of completers of vocational programs for fiscal years 1979, 1980, and 1981. This analysis will identify any trends where male traditional and female nontraditional vocational program enrollees have different results, as well as where male nontraditional and female traditional enrollees have different results. A research report of the results will be delivered.

Curriculum Development (Sec. 133)

OK8313301.
Practical Nursing 3.
Project Director: Patton, Bob
Organization: Curriculum and Instructional Materials Center, State Department of Vocational-Technical Education 1515 West Sixth, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK 83 133 1 037.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $20,000.
Descriptors: Behavioral-Objectives. Core-Curriculum. Instructional-Materials. Practical-Nursing. State-Standards. Task-Analysis.
Identifiers: State. Proposal.

A curriculum committee, consisting of curriculum specialists, writers, teacher educators, vocational teachers, state staff, and business and industry representatives, will identify and validate a task analysis of the Practical Nursing 3 program. Information will be compiled and reviewed and instructional materials developed. The resulting basic core of instruction will serve as a model for statewide standardization of instruction. The core will include performance objectives, suggested activities, information sheets, transparency masters, photos and drawings, assignment sheets, job sheets, criterion-referenced evaluations, and answers to tests and assignment sheets. The materials will be reviewed for content approval, teachability, and usability. Teacher and student copies will be printed and made available.

OK8313302.
Machine Shop 2.
Project Director: Patton, Bob
Organization: Curriculum and Instructional Materials Center, State Department of Vocational-Technical Education 1515 West Sixth, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK 83 133 1 038.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $20,000.
Descriptors: Behavioral-Objectives. Core-Curriculum. Instructional-Materials. Machine-Tool-Operators. State-Standards. Task-Analysis.
Identifiers: State. Proposal.

A curriculum committee, consisting of curriculum specialists, writers, teacher educators, vocational teachers, state staff, and business and industry representatives, will identify and validate a task analysis of the Machine Shop 2 program. Information will be compiled and reviewed and instructional materials developed. The resulting basic core of instruction will serve as a model for statewide standardization of instruction. The core will include performance objectives, suggested activities, information sheets, transparency masters, photos and drawings, assignment sheets, job sheets, criterion-referenced evaluations, and answers to tests and assignment sheets. The materials will be reviewed for content approval, teachability, and usability. Teacher and student copies will be printed and made available.

OK8313303.
Farm Business Management I.
Project Director: Patton, Bob
Organization: Curriculum and Instructional Materials Center, State Department of Vocational-Technical Education 1515 West Sixth, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK 83 133 1 036.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $20,000.
Descriptors: Behavioral-Objectives. Core-Curriculum. Farm-Management. Instructional-Materials. State-Standards. Task-Analysis.
Identifiers: State. Proposal.

A curriculum committee, consisting of curriculum specialists, writers, teacher educators, vocational teachers, state staff, and business and industry representatives, will identify and validate a task analysis of the

Farm Business Management program. Information will be compiled and reviewed and instructional materials developed. The resulting basic core of instruction will serve as a model for statewide standardization of instruction. The core will include performance objectives, suggested activities, information sheets, transparency masters, photos and drawings, assignment sheets, job sheets, criterion-referenced evaluations, and answers to tests and assignment sheets. The materials will be reviewed for content approval, teachability, and usability. Teacher and student copies will be printed and made available.

OK8313304.
Consumer Education.
Project Director: Patton, Bob
Organization: Curriculum and Instructional Materials Center, State Department of Vocational-Technical Education 1515 West Sixth, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK 83 133 1 045.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $10,000.
Descriptors: Behavioral-Objectives. Core-Curriculum. Consumer-Education. Instructional-Materials. State-Standards. Task-Analysis.
Identifiers: State. Proposal.

A curriculum committee, consisting of curriculum specialists, writers, teacher educators, vocational teachers, state staff, and business and industry representatives, will identify and validate a task analysis of the Consumer Education program. Information will be compiled and reviewed and instructional materials developed. The resulting basic core of instruction will serve as a model for statewide standardization of instruction. The core will include performance objectives, suggested activities, information sheets, transparency masters, photos and drawings, assignment sheets, job sheets, criterion-referenced evaluations, and answers to tests and assignment sheets. The materials will be reviewed for content approval, teachability, and usability. Teacher and student copies will be printed and made available.

OK8313305.
Machine Shop 2 LAPS.
Project Director: Patton, Bob
Organization: Curriculum and Instructional Materials Center, State Department of Vocational-Technical Education 1515 West Sixth, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK 83 133 1 044.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $20,000.
Descriptors: Behavioral-Objectives. Core-Curriculum. Instructional-Materials. Machine-Tool-Operators. State-Standards. Task-Analysis.
Identifiers: State. Proposal.

A curriculum committee, consisting of curriculum specialists, writers, teacher educators, vocational teachers, state staff, and business and industry representatives, will identify and validate a task analysis of the Machine Shop 2 LAPS program. Information will be compiled and reviewed and instructional materials developed. The resulting basic core of instruction will serve as a model for statewide standardization of instruction. The core will include performance objectives, suggested activities, information sheets, transparency masters, photos and drawings, assignment sheets, job sheets, criterion-referenced evaluations, and answers to tests and assignment sheets. The materials will be reviewed for content approval, teachability, and usability. Teacher and student copies will be printed and made available.

OK8313306.
Bricklaying I.
Project Director: Patton, Bob
Organization: Curriculum and Instructional Materials Center, State Department of Vocational-Technical Education 1515 West Sixth, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK 83 133 1 041.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $10,000.
Descriptors: Behavioral-Objectives. Bricklaying. Core-Curriculum. Instructional-Materials. State-Standards. Task-Analysis.
Identifiers: State. Proposal.

A curriculum committee, consisting of curriculum specialists, writers, teacher educators, vocational teachers, state staff, and business and industry representatives, will identify and validate a task analysis of the Bricklaying I program. Information will be compiled and reviewed and instructional materials developed. The resulting basic core of instruction will serve as a model for statewide standardization of instruction. The core will include performance objectives, suggested activities, information sheets, transparency masters, photos and drawings, assignment sheets, job sheets, criterion-referenced evaluations, and answers to tests and assignment sheets. The materials will be reviewed for content approval, teachability, and usability. Teacher and student copies will be printed and made available.

OK8313307.
Bricklaying 2.
Project Director: Patton, Bob
Organization: Curriculum and Instructional Materials Center, State Department of Vocational-Technical Education 1515 West Sixth, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK 83 133 1 042.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $10,000.
Descriptors: Behavioral-Objectives. Bricklaying. Core-Curriculum. Instructional-Materials. State-Standards. Task-Analysis.
Identifiers: State. Proposal.

A curriculum committee, consisting of curriculum specialists, writers, teacher educators, vocational teachers, state staff, and business and industry representatives, will identify and validate a task analysis of the Bricklaying 2 program. Information will be compiled and reviewed and instructional materials developed. The resulting basic core of instruction will serve as a model for statewide standardization of instruction. The core will include performance objectives, suggested activities, information sheets, transparency masters, photos and drawings, assignment sheets, job sheets, criterion-referenced evaluations, and answers to tests and assignment sheets. The materials will be reviewed for content approval, teachability, and usability. Teacher and student copies will be printed and made available.

OK8313308.
Auto Mechanics LAPS.
Project Director: Patton, Bob
Organization: Curriculum and Instructional Materials Center, State Department of Vocational-Technical Education 1515 West Sixth, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK 83 133 1 043.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $20,000.
Descriptors: Auto-Mechanics. Behavioral-Objectives. Core-Curriculum. Instructional-Materials. State-Standards. Task-Analysis.
Identifiers: State. Proposal.

A curriculum committee, consisting of curriculum specialists, writers, teacher educators, vocational teachers, state staff, and business and industry representatives, will identify and validate a task analysis of the

Auto Mechanics LAPS program. Information will be compiled and reviewed and instructional materials developed. The resulting basic core of instruction will serve as a model for statewide standardization of instruction. The core will include performance objectives, suggested activities, information sheets, transparency masters, photos and drawings, assignment sheets, job sheets, criterion-referenced evaluations, and answers to tests and assignment sheets. The materials will be reviewed for content approval, teachability, and usability. Teacher and student copies will be printed and made available.

OK8313309.
Machine Shop 4.
Project Director: Patton, Bob
Organization: Curriculum and Instructional Materials Center, State Department of Vocational-Technical Education 1515 West Sixth, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK 83 133 1 040.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $20,000.
Descriptors: Behavioral-Objectives. Core-Curriculum. Instructional-Materials. Machine-Tool-Operators. State-Standards. Task-Analysis.
Identifiers: State. Proposal.

A curriculum committee, consisting of curriculum specialists, writers, teacher educators, vocational teachers, state staff, and business and industry representatives, will identify and validate a task analysis of the Machine Shop 4 program. Information will be compiled and reviewed and instructional materials developed. The resulting basic core of instruction will serve as a model for statewide standardization of instruction. The core will include performance objectives, suggested activities, information sheets, transparency masters, photos and drawings, assignment sheets, job sheets, criterion-referenced evaluations, and answers to tests and assignment sheets. The materials will be reviewed for content approval, teachability, and usability. Teacher and student copies will be printed and made available.

OK8313310.
Machine Shop 3.
Project Director: Patton, Bob
Organization: Curriculum and Instructional Materials Center, State Department of Vocational-Technical Education 1515 West Sixth, Stillwater, OK 74074.
Telephone: (405) 377-2000.
Sponsoring Agency: Oklahoma State Dept. of Vocational and Technical Education, Stillwater.
Contract/Control No.: CN: OK 83 133 1 039.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $20,000.
Descriptors: Behavioral-Objectives. Core-Curriculum. Instructional-Materials. Machine-Tool-Operators. State-Standards. Task-Analysis.
Identifiers: State. Proposal.

A curriculum committee, consisting of curriculum specialists, writers, teacher educators, vocational teachers, state staff, and business and industry representatives, will identify and validate a task analysis of the Machine Shop 3 program. Information will be compiled and reviewed and instructional materials developed. The resulting basic core of instruction will serve as a model for statewide standardization of instruction. The core will include performance objectives, suggested activities, information sheets, transparency masters, photos and drawings, assignment sheets, job sheets, criterion-referenced evaluations, and answers to tests and assignment sheets. The materials will be reviewed for content approval, teachability, and usability. Teacher and student copies will be printed and made available.

Oregon

Research (Sec. 131)

OR8313101.

Technical Assistance Program for Secondary School Administrators on the Actual and Potential Impact of Vocational Education.

Project Director: Kenneke, Larry J.

Organization: Oregon State University Corvallis, OR 97330.

Telephone: (503) 754-2961.

Sponsoring Agency: Oregon State Board of Education, Salem.

Contract/Control No.: PN: RE-P-1-83.

Funding Period: Start Date 01 Jul 82; End Date 15 Oct 83.

Fiscal Year Funding: $13,035.

Descriptors: Guides. Inservice-Teacher-Education. Management-Development. School-Administration.

Identifiers: State. Proposal.

A model program for secondary school administrators will be developed, tested, and implemented to strengthen and increase the effectiveness of vocational education and provide technical assistance to selected nonvocational and vocational secondary school administrators statewide. Project staff will identify and adapt appropriate inservice materials and compile them into an administrator's guide to vocational education. Three regional secondary school demonstration sites will be established. An inservice workshop and onsite technical assistance will be provided.

OR8313102.

Development of an Evaluation Instrument for Computer Programs with Application in Vocational Education.

Project Director: Stern, Sam

Organization: Oregon State University Department of Vocational Education, Corvallis, OR 97331.

Telephone: (505) 754-2733.

Sponsoring Agency: Oregon State Board of Education, Salem.

Funding Period: Start Date 01 Oct 82; End Date 28 Feb 83.

Fiscal Year Funding: $4,255.

Descriptors: Computer-Programs. Course-Evaluation. Evaluation-Methods. Program-Evaluation.

Identifiers: State. Proposal.

Following a review of existing evaluation models, an evaluation instrument will be developed and tested on commercial software in the following areas: agriculture education, business and distributive education, home economics education, and industrial education. The instrument will be designed to provide analysis of a computer program's usability by both disadvantaged and handicapped students and determination of a program's freedom from sex and racial/ethnic bias and stereotyping. After revision, the instrument and test results will be made available through regional coordinators and promising practices dissemination workshops.

OR8313103.

Improve Diagnostic Skills of Auto-Diesel Students by Using Computer Simulation.

Project Director: Keizur, Jim

Organization: Lane Community College 4000 East Thirtieth Avenue, Eugene, OR 97405.

Telephone: (503) 747-4501.

Sponsoring Agency: Oregon State Board of Education, Salem.

Contract/Control No.: CN: R-PS-2-83.

Funding Period: Start Date 31 Dec 82; End Date 31 May 84.

Fiscal Year Funding: $23,827.

Descriptors: Auto-Mechanics. Computer-Oriented-Programs. Diesel-Engines. Identification. Job-Skills. Pilot-Projects. Simulation.

Identifiers: State. Proposal.

Two instructional modules that incorporate simulation will be developed by teachers and programmers for use in a pilot study in selected college and high school mechanics classes. User guides also will be developed. Industry and education representatives will review the materials for accuracy and suitability. A final study will be delivered.

OR8313104.

The ABLE Connection.

Project Director: Matarazzo, Carol

Organization: Portland School District #1J 501 North Dixon Street, Portland, OR 97227.

Telephone: (503) 239-6851.

Sponsoring Agency: Oregon State Board of Education, Salem.

Contract/Control No.: CN: 26-001-117.

Funding Period: Start Date 01 Mar 83; End Date 30 Dec 83.

Fiscal Year Funding: $6,000.

Descriptors: Improvement. School-Business-Relationship. Skills. Vocational-Education-Teachers.

Identifiers: State. Proposal.

The industry-based technical skill update will be provided by Oregon Alliance of Business, Labor, and Education (ABLE). An ongoing system will be developed to provide current industry standards for determining technical skill update needs, and a steering committee will be established. After selection of an instrument, a needs assessment of all vocational education teachers will be conducted. Information collected will be summarized and computerized by cluster, school, and district; pedagogical needs as opposed to technical skill needs will be identified; and credit option will be arranged for teacher internships with local higher education institutions.

OR8313105.

Oregon Electronics Worksite Training Project.

Project Director: Hata, David M.

Organization: Portland Community College 12000 SW Forty-ninth Avenue, Portland, OR 97219.

Telephone: (503) 244-6111.

Sponsoring Agency: Oregon State Board of Education, Salem.

Contract/Control No.: CN: R-P-1-83.

Funding Period: Start Date 15 Mar 83; End Date 30 Jun 84.

Fiscal Year Funding: $45,000.

Descriptors: Competency-Based-Education. Computer-Oriented-Programs. Educational-Innovation. Electronics. Improvement. Individualized-Instruction. Job-Training. Nontraditional-Education. Pacing. Program-Development. Retraining. School-Business-Relationship. Videotape-Cassettes.

Identifiers: State. Proposal. Open Entry Open Exit.

The computer-based, self-instructional, interactive program will be developed as an alternative, nontraditional strategy for delivering vocational education and training at the community college level. Computer-based video instruction and innovative ways of programming and instructing for training, retraining, and upgrading will be explored. A model working partnership will be established between private industry and education. A third-party evaluation will occur. Project information will be disseminated to other interested educational institutions and companies, and a final report will be delivered.

Exemplary and Innovative (Sec. 132)

OR8313201.

Technical Assistance Program for Local Advisory Committees.

Project Director: Knapp, Alden H.

Organization: Agency State Advisory Council for Career and Vocational

Education 715 Summer Street NE, Salem, OR 97310.
Telephone: (503) 378-5932.
Sponsoring Agency: Oregon State Board of Education, Salem.
Funding Period: Start Date 01 Nov 82; End Date 31 Jan 84.
Fiscal Year Funding: $11,984.
Descriptors: Advisory-Committees. Guides. Inservice-Education. Models. Organizational-Effectiveness. Program-Implementation. Technical-Assistance.
Identifiers: State. Proposal.

Local advisory committees and related groups will receive technical assistance to enhance their effectiveness. Materials, instruments, and models will be developed, adapted, and revised. Regional inservice sessions will be conducted for committee members. Implementation and utilization of the committees will be surveyed and evaluated. Deliverables will include a handbook, model evaluation instruments, implementation model, and inservice materials.

OR8313202.
Promising Practices Diffusion.
Project Director: Monthey, Wanda
Organization: Oregon Department of Education 700 Pringle Parkway SE, Salem, OR 97310.
Telephone: (503) 378-2713.
Sponsoring Agency: Oregon State Board of Education, Salem.
Contract/Control No.: CN: E-SP-1-83.
Funding Period: Start Date 15 Nov 82; End Date 30 Jun 83.
Fiscal Year Funding: $30,000.
Descriptors: Adoption-Ideas. Career-Education. Delivery-Systems. Grants. Innovation. Regional-Programs.
Identifiers: State. Proposal. *Promising Practices.

Grant-in-aid contractual agreements will be available in amounts up to $4,999 to regional coordinators to aid local adaptation and adoption of promising practices based on a revised implementation kit. Brochures on these practices will be developed and distributed. Evaluation will be conducted through local and regional data collection and review. Process and student outcomes will be the major focal points in evaluation. A final report, which includes a summary of each funded project, evaluation, impact of the projects, and recommendations for future action, will be delivered.

Curriculum Development (Sec. 133)

OR8213309.
Metals Cluster Guide Revision.
Project Director: Clemons, Marvin L.
Organization: Lane Education Service District 1200 Highway 99N, Eugene, OR 97402.
Telephone: (503) 689-6500.
Sponsoring Agency: Oregon State Board of Education, Salem.
Contract/Control No.: OR8313301.
Funding Period: Start Date 15 Jul 82; End Date 30 Aug 83.
Fiscal Year Funding: $2,200.
Descriptors: Curriculum-Guides. Guides. Metal-Working. Occupational-Clusters.
Identifiers: State. Proposal.

The revised guide will be used in developing and upgrading metals programs statewide. A facilities guide also will be developed.

OR8313301.
Development of the Vocational-Technical Education Consortium of States (V-TECS) Catalog for Shipping and Receiving Workers.
Project Director: Hattwick, R.; And Others
Organization: Western Illinois University Center for Business and Economic Research, Western Illinois University, Macomb, IL 61455.
Telephone: (309) 298-1594.
Sponsoring Agency: Illinois State Office of Eduation, Springfield.
Contract/Control No.: CN: R-33-53-D-0361-162.
Funding Period: Start Date 01 Jul 82; End Date 31 Dec 82.
Fiscal Year Funding: $14,995.
Descriptors: Traffic-Control.
Identifiers: State. Proposal. *Receiving. *Shipping Inventory. *Traffic Manager. *Vocational Technical Education Consortium States.

A Vocational-Technical Education Consortium of States (V-TECS) catalogs and product-domain reports for the jobs of traffic manager and shipping and receiving workers will be written. The information in these catalogs will enable educators to develop curricula more closely related to employer needs. Writing teams, working from occupational surveys, will assemble reports and prepare them for final drafts. Camera-ready copies of the catalogs and the final report will be delivered.

OR8313302.
Industrial Arts Middle School Curriculum Guide.
Project Director: Terry, Art
Organization: Marion ESD 3400 Portland Road Northeast, Salem, OR 97303.
Telephone: (503) 378-2129.
Sponsoring Agency: Oregon State Board of Education, Salem.
Contract/Control No.: CN: 24-000-327.
Funding Period: Start Date 01 Sep 82; End Date 01 Sep 83.
Fiscal Year Funding: $4,495.
Descriptors: Career-Exploration. Curriculum-Guides. Industrial-Arts. Material-Development. Middle-Schools.
Identifiers: State. Proposal.

Curriculum will be developed and field-tested to provide orderly exploration of industrial arts that will articulate with industrial clusters. Camera-ready copy and 250 printed copies of a curriculum guide will be delivered, and one statewide inservice workshop will be conducted for middle school industrial arts teachers. A final report also will be delivered.

OR8313303.
Updating of Work Experience Program Guide.
Project Director: Hindman, Patricia
Organization: Marion Education Service District 3180 Center Street NE, Salem, OR 97301.
Telephone: (503) 588-5330.
Sponsoring Agency: Oregon State Board of Education, Salem.
Funding Period: Start Date 10 Sep 82; End Date 12 Nov 82.
Fiscal Year Funding: $4,950.
Descriptors: Community-Colleges. Cooperative-Programs. Course-Content. Guides. Needs-Assessment. Work-Experience-Programs.
Identifiers: State. Proposal.

The Cooperative Work Experience Guide will be revised and updated to make it more usable by secondary school and community college personnel. Marion staff and secondary and community college personnel will make recommendations based on their review of the existing guide and contents of a needs assessment conducted to determine the guide's content. A section on the needs of women, disadvantaged, handicapped, and minorities will be added to the guide. Data base searches will be performed to identify materials which could be adapted for the guide. New guide materials will be submitted to the WECO Board for approval and revision. The finished guide will be delivered.

OR8313304.
Development of Apprenticeship-related Training Curriculum for Maintenance Millwright, Stationary Engineer, and Low Voltage Systems Installers.
Project Director: Horstrup, Carl
Organization: Lane Community College 1059 Willamette Street, Eugene, OR 97401.
Telephone: (503) 484-2126.
Sponsoring Agency: Oregon State Board of Education, Salem.
Contract/Control No.: CN: 20-650-614.
Funding Period: Start Date 15 Jan 83; End Date 30 Aug 84.
Fiscal Year Funding: $5,000.
Descriptors: Apprenticeships. Electrical-Occupations. Engineering-Technicians. Instructional-Materials. Job-Analysis. Teaching-Guides.

Identifiers: State. Proposal. *Millwrights.

Existing curriculum materials in the areas of stationary engineer, maintenance millwright, and low voltage systems installer will be reviewed to determine their use in an apprenticeship program and the need to develop new materials. Current, trade-validated task inventories will be developed, as well as instructional analyses, an annotated bibliography of existing curricula, and a comprehensive final report. This will result in a state of the art in curriculum availability/usability for these trades and will establish a statewide validated curriculum program for these trades.

OR8313305.

Curriculum Development in Agriculture.

Project Director: Cole, R. Lee

Organization: Oregon State University Corvallis, OR 97331.

Telephone: (503) 754-3681.

Sponsoring Agency: Oregon State Board of Education, Salem.

Contract/Control No.: CN: 50-004-352.

Funding Period: Start Date 01 Dec 82; End Date 30 Jul 83.

Fiscal Year Funding: $11,292.

Descriptors: Agricultural-Education. Food-Standards. Meat.

Identifiers: State. Proposal.

Field test data will be used to refine the agriculture 3 curriculum which will be finalized and distributed to teachers at a summer conference. The agriculture 4 draft will be field-tested, and an animal selection and carcass evaluation instructional unit will be developed. Errors in the agriculture 1 guide will be corrected, and disadvantaged and handicapped student use information will be provided. These products will improve the teaching of agricultural courses by providing high quality, ready-to-use, up-to-date curriculum materials and will reduce teacher burnout by reducing teacher preparation time for lessons.

OR8313306.

Develop and Implement a Traditional Accounting Cluster Program Demonstration Site and Developmental Center at the Secondary Level.

Project Director: Box, Ken

Organization: Beaverton School District 48J PO Box 200, 16550 SW Merlo Road, Beaverton, OR 97075.

Telephone: (503) 649-0480.

Sponsoring Agency: Oregon State Board of Education, Salem.

Contract/Control No.: CN: 34-048-241.

Funding Period: Start Date 01 Feb 83; End Date 31 May 84.

Fiscal Year Funding: $43,000.

Descriptors: Accounting. Curriculum-Study-Centers. Demonstration-Programs. Occupational-Clusters.

Identifiers: State. Proposal.

Entry-level requirements will be identified and curriculum, support materials, and support services developed. Materials will include a cluster curriculum guide, assessment guide, skills record card, adopter/adapter guide, and promotional kit. The demonstration program will be implemented, evaluated, and revised. Visitors to the site will be able to take all or part of the program components to their home schools for implementation.

OR8313307.

1982-83 Oregon Community College Program Directory.

Project Director: Hargis, Nancy

Organization: Employment Division—Occupational Program Planning System 875 Union Street NE, Salem OR 97311.

Telephone: (503) 378-8146.

Sponsoring Agency: Oregon State Board of Education, Salem.

Contract/Control No.: CN: 7312.

Funding Period: Start Date 15 Jul 82; End Date 31 Aug 82.

Fiscal Year Funding: $1,500.

Descriptors: Community-Colleges. Directories. Program-Descriptions.

Identifiers: State. Proposal.

An Oregon Department of Education (ODE) list of approved community college curricula for preparatory programs will be computerized and formatted into matrix directories. The directories will be printed and distributed statewide to increase awareness of vocational program offerings in Oregon community colleges.

OR8313307.

Robotics/Electromechanics Curriculum Development.

Project Director: Kurtz, George

Organization: Rogue Community College 3345 Redwood Highway, Grants Pass, OR 97526.

Telephone: (503) 479-5541.

Sponsoring Agency: Oregon State Board of Education, Salem.

Contract/Control No.: CN: 17-650-393.

Funding Period: Start Date 01 Dec 82; End Date 30 Sep 83.

Fiscal Year Funding: $3,000.

Descriptors: Automation. Electromechanical-Technology. Entry-Workers. Programing. Skill-Analysis. Skill-Development.

Identifiers: State. Proposal. *High Technology. *Microelectronics. *Robotics.

An advisory committee will be formed to identify potential training needs for skilled technicians in high technology areas, specifically robotics. Subsequent investigations may include microelectronics. A skills analysis investigation will be conducted, and a training program curriculum will be developed for Rogue, Southwestern, and Umpqua community colleges. This two-year associate degree program will provide entry-level technical skills such as maintaining automated equipment, assembling and installing automated equipment, adapting it with standard parts, and programming and re-programming robots. A final report will be delivered.

OR8313308.

Fieldman Handbook.

Project Director: McCollum, Earl

Organization: Treasure Valley Community College 650 College Boulevard, Ontarion, OR 97914.

Telephone: (503) 889-6493.

Sponsoring Agency: Oregon State Board of Education, Salem.

Contract/Control No.: CN: 23-650-262.

Funding Period: Start Date 01 Jul 82; End Date 15 Aug 82.

Fiscal Year Funding: $3,800.

Descriptors: Agricultural-Education. Crop-Processing-Occupations. Disease-Control. Field-Crops. Guides. Pests.

Identifiers: State. Proposal.

Developing disease and insect problems will be photographed for a fieldman handbook. The handbook, intended for on-the-job use, will include current tabulation of disease and insect problems related to cash crops in eastern Oregon and western Idaho. The problems and solutions in the handbook are those dealt with by crops fieldmen for control purposes.

OR8313309.

Criminal Justice Curriculum Revision.

Project Director: Terry, Art

Organization: Marion ESD 3400 Portland Road NE, Salem, Oregon 97303.

Telephone: (503) 588-5330.

Sponsoring Agency: Oregon State Board of Education, Salem.

Contract/Control No.: CN: 24-000-325.

Funding Period: Start Date 15 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $3,000.

Descriptors: Criminology. Learning-Modules.

Identifiers: State. Proposal.

Thirteen courses comprising ninety-five modules will be updated and revised for use by criminal justice educators and students. The revised individualized learning packets will include current information applicable to the criminal justice programs of Oregon's commumity colleges, colleges, and universities. The materials will be shown at the criminal justice educators association meetings in Oregon and Washington and disseminated through the division of continuing education. A final report will be delivered.

OR8313310.

Development of Apprenticeship Related Training Curriculum, Part 2.

Project Director: Horstrup, Carl

Organization: Lane Community College, Downtown Center 1059 Willamette, Eugene, OR 97401.

Telephone: (503) 484-2126.

Sponsoring Agency: Oregon State Board of Education, Salem.

Contract/Control No.: CN: C-P-1-84; 20-650-614.

Funding Period: Start Date 15 Jul 83; End Date 31 Aug 84.

Fiscal Year Funding: $45,000.

Descriptors: Apprenticeships. Electronic-Technicians. Engineering-Technicians.

Identifiers: State. Proposal. *Millwright. Low Voltage System Installer. Stationary Engineer.

In part 2 of the project, staff will develop, produce, and disseminate complete curriculum for apprentice-related training programs for the three trades of maintenance millwright, stationary engineer, and low voltage systems installer. Information and recommendations provided in the final report of part 1 will be followed closely. All curriculum produced will be delivered for adoption by state or local joint apprenticeship committees. The project will produce validated, current curriculum previously unavailable for the three trades.

Pennsylvania

Research (Sec. 131)

PA8313101.

Identification, Classification, and Comparison of the Work Performance Requirements and Actual Work Performance of Counselors of Area Vocational-Technical Schools in Pennsylvania.

Project Director: Reynolds, Albert R.

Organization: Greater Johnstown Area Vocational-Technical School 445 Schoolhouse Road, Johnstown, PA 15904.

Telephone: (814) 266-6073.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2801.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,665.

Descriptors: Counselor-Performance. Counselor-Role. Job-Descriptions. Performance-Factors. School-Counselors.

Identifiers: State. Proposal.

A job description for counselor will be obtained from each of the eighty-one area vocational-technical schools to ascertain performance requirements; work performance will be identified through the Flanagan critical incident technique using the counselor's supervisor, the counselor, and six randomly selected teachers in each school. Content analysis will be performed on data from both the job descriptions and the critical incident technique to construct classifications systems and make a comparative analysis. Counselor questionnaires will deal with the organizational structure of the school, specific shop and lab areas, and student population assignment per counselor. Mid-year and final reports will be delivered.

PA8313102.

Basic Consumable and Resalable Supplies Used in Agricultural Production Mechanics Laboratories.

Project Director: Gerstenlauer, David L.

Organization: Waynesboro Areas School District Box 72, Clayton Avenue, Waynesboro, PA 17268.

Telephone: (717) 762-1191.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2802.

Funding Period: Start Date 01 Jul 82; End Date 31 Dec 82.

Fiscal Year Funding: $525.

Descriptors: Agricultural-Education. Agricultural-Engineering. Agricultural-Production. Laboratories. Supplies. Surveys.

Identifiers: State. Proposal.

A descriptive survey will be developed and mailed to a random sample of agricultural production teachers to determine the supplies and quantities needed. Determination will be sought of the size of the current budget for the identified supplies, trend in budget size over the past five years, how the budget is influenced by various program and community factors (including teacher's background and length of time at present assignment, size of department, emphasis of the program in agricultural production and mechanics, major agricultural mechanics units taught, major types of jobs in the community, and census classification of the community). After all variables have been considered, basic recommendations will be provided to all agricultural education teachers. Mid-year and final reports will be delivered.

PA8313103.

The School District of Philadelphia's Five-year Plan (1980-1985) for Implementing Competency-based Vocational Education—Year 3 (Continuation of 84-1803).

Project Director: Holmes, Marion B. W.

Organization: School District of Philadelphia Twenty-first Street and the Parkway, Philadelphia, PA 19103.

Telephone: (215) 299-7823.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2803.

Descriptors: Competency-Based-Education. Computer-Literacy. Educational-Planning. Inservice-Teacher-Education. Program-Implementation.

Identifiers: State. Proposal.

Through a planned system of workshops, staff development sessions, and curriculum development, administrative and instructional staff will be trained in the techniques and development of competency-based instruction, which will be fully implemented by June, 1985. Computer literacy will be included in every curriculum. Teachers will receive assistance in finding Vocational-Technical Education Consortium of States (V-TECS) or other validated resources, and sex equity will be promoted. A local evaluation mechanism will be developed for the staff training program, and a management team will be established for long-range continuation of this CBVE effort. Mid-year and final reports will be delivered.

PA8313104.

Inservice Training Proposal for Competency-based Vocational Education (Continuation of 84-2002).

Project Director: Fetherston, Eleanor C.

Organization: A. W. Beattie Area Vocational-Technical School 9600 Babcock Boulevard, Allison Park, PA 15101.

Telephone: (412) 366-2800.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2804.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $4,625.

Descriptors: Competency-Based-Education. Curriculum-Guides. Inservice-Teacher-Education. Occupational-Information.

Identifiers: State. Proposal.

Individually or in small groups during release time, teachers will develop curriculum guides and file systems for their programs. The curriculum guides will include a list of competencies and tasks validated by advisory committees in a format that can be used to guide individualized instruction and serve as a progress chart and as a student report form for potential employers. Lists of entry-level occupations, corresponding lists of competencies required, and lists of occupations requiring further education or training with competencies required and competencies taught at the vocational-technical school also will be included. The file systems will include collections of job or task sheets with performance objectives, performance guides, materials and/or equipment to be used, and evaluation criteria; information sheets; and criteria or standards for evaluating student work. Mid-year and final reports will be delivered.

PA8313105.

An Articulated Approach for Inservice Training to Plan, Develop, and Implement Competency-based Vocational Education (Continuation of 85-1809).

Project Director: Grande, Joseph J.

Organization: Reading-Muhlenberg Area Vocational-Technical School PO Box 3068, Reading, PA 19604.

Telephone: (215) 921-0236.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2805.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $17,600.

Descriptors: Competency-Based-Education. Inservice-Teacher-Education. Instructional-Materials. School-Visitation. Teacher-Attitudes. Teacher-Evaluation. Teacher-Improvement. Teacher-Workshops. Teaching-Methods. Training-Skills.

Identifiers: State. Proposal.

Teachers will be given release time to attend workshops and make site visits for the purpose of improving their skill in teaching competency-based vocational education. Activities also will include developing applicable teaching methods and instructional materials, pilot testing these methods and materials, producing materials and/or equipment, and evaluating teacher attitude and knowledge regarding competency-based vocational education. A mid-year and a final report will be delivered.

PA8313106.

Development of an Occupational Competency Examination in Heating.

Project Director: O'Brien, Thomas W.

Organization: Indiana University of Pennsylvania Reschini House, Indiana, PA 15705.

Telephone: (412) 357-4434.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2806.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $4,630.

Descriptors: Criterion-Referenced-Tests. Heating. Test-Construction.

Identifiers: State. Proposal.

The test will be categorized and proportioned based on Vocational-Technical Consortium of States (V-TECS) analysis or on the occupational description contained in 'Dictionary of Occupational Titles' and publications of the US Office of Education and Pennsylvania Department of Education. Examination products will include a thirty-question pretest; an occupational listing of candidate experiences; a written test of 180-200 multiple choice, four detractor questions and key; a performance test of four to five hours containing a series of practical jobs which examine the processes and skills of heating; an examiner's section of a performance test including a detailed description of how one performs each job and an evaluation scale of key elements relating to process and product; a consolidated listing of tools, equipment, and materials needed for the examination; and an evaluation summary. Mid-year and final reports will be delivered.

PA8313107.

A Monthly Planning Manual for Beginning Teachers of Vocational Agriculture and Agribusiness in Pennsylvania.

Project Director: Miller, Stephen S.

Organization: The Pennsylvania State University 501 JO Keller Building, University Park, PA 16802.

Telephone: (814) 865-0453.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2807.

Funding Period: Start Date 01 Jul 82; End Date 31 Dec 82.

Fiscal Year Funding: $831.

Descriptors: Agribusiness. Agricultural-Education. Beginning-Teachers. Guides. Scheduling.

Identifiers: State. Proposal.

Key areas of beginning vocational agriculture and agribusiness teacher responsibility and important tasks and procedures to be accomplished each month, year round will be identified by a screening committee of four members of the two groups (cooperating teachers and teacher supervisors) to be surveyed. Responses of four teacher groups (first-year vocational agriculture and agribusiness teachers, student teachers, cooperating teachers, and teacher supervisors) about the effectiveness of a monthly planning manual will be compared and synthesized. The manual will be produced in finished form. Mid-year and final reports will be delivered.

PA8313108.

Competency-based Vocational Education Development Program (Continuation of 85-2001).

Project Director: Silkman, William R.

Organization: Erie County Area Vocational-Technical School 8500 Oliver Road, Erie, PA 16509.

Telephone: (814) 864-0641.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2808.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $17,935.

Descriptors: Behavioral-Objectives. Competency-Based-Education. Course-Descriptions. Job-Analysis. Occupational-Information. Profiles.

Identifiers: State. Proposal.

Program development will be continued through the rewriting of course descriptions, development of 'Dictionary of Occupational Titles' job codes, identification of trade competencies, development of performance objectives for each task, and establishment of grading criteria. Craft committees will be involved in each step. A performance-oriented student profile also will be developed. A mid-year and a final report will be delivered.

PA8313109.

Handbook for Ecomonic Development Support (Continuation of 83-2002).

Project Director: Carlos, Ellen A.

Organization: 9406 Mirror Pond Court, Fairfax, VA 22032.

Telephone: (703) 978-6676.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2809.

Fiscal Year Funding: $5,000.

Descriptors: Agency-Cooperation. Economic-Development. Government-School-Relationship. Guides. School-Business-Relationship. School-Community-Relationship.

Identifiers: State. Proposal.

The handbook will describe specific criteria which will enhance the establishment of a collaborative relationship among vocational education, labor, business and industry, and government, as well as the responsibilities of the identified individuals and agencies to each other and to the local plan for ecomonic development. Methods will be specified for soliciting and using technical advice and data from participating individuals and agencies on local, state, and national levels. A suggested structure will be provided for a cooperative and responsive staff development program involving appropriate members of education, labor, business and industry, and government in both the instruction and learning processes; guidelines will be established for development of articulated training programs. Additionally, the relationship of local employment needs to customized training will be described, and ways of improving job search and retention practices will be cited. Finally, sources and uses of all types of funding available for any phase of economic development will be listed. Mid-year and final reports also will be delivered.

PA8313110.

Competency-based Vocational Education (CBVE) Curriculum Development and Implementation Plan—1982-83.

Project Director: Hovis, Janet

Organization: Crawford County Area Vocational Technical School 860 Thurston Road, Meadville, PA 16335.

Telephone: (814) 724-6024.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2810.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $30,505.

Descriptors: Behavioral-Objectives. Competency-Based-Education. Inservice-Teacher-Education. Occupational-Information.

Identifiers: State. Proposal.

Administrative, instructional, and support staff will be provided with skills required to manage a competency-based instructional system. Craft advisory committees will be maintained to help identify the changing needs of the educational program, course scope will be redefined using 'Dictionary of Occupational Titles' and other updated data, and occupational competencies will be validated. Valid terminal performance objectives and sequential performance steps will be identified for each task; resources required to perform the tasks and required task sequence will be determined. Inservice days already scheduled will be used to make the entire staff aware of CBVE and prepare them for CBVE implementation through group presentations, individualized module activities, and application of learned skills. A curriculum specialist will be hired to teach CBVE curriculum development skills to a pilot group of five teachers who will train other teachers in small groups. Mid-year and final reports will be delivered.

PA8313111.

Reconceptualization of Teacher Preparation for Teaching Clothing in Consumer and Homemaking Programs.

Project Director: Murray, M. Eloise

Organization: The Pennsylvania State University Rackley Building, University Park, PA 16802.

Telephone: (814) 865-6331.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2811.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $15,614.

Descriptors: Clothing-Instruction. Competency-Based-Teacher-Education. Home-Economics-Teachers. Preservice-Teacher-Education.

Identifiers: State. Proposal.

A framework for teaching clothing will be developed that reflects the contemporary concerns of individuals and families and the state of the art of clothing and textiles; appropriate sequence, content, and processes of learning activities for middle and secondary school learners will be delineated using the framework. Competencies required of clothing teachers will be identified and recommendations made for redirection of teacher education programs toward developing those competencies. An advisory group of six to eight persons with expertise related to family clothing will be selected. Existing exemplary and innovative clothing programs, research and resources in middle and secondary schools, and teacher preparation programs will be identified. Existing preservice education programs and resource materials for teaching clothing will be surveyed. The project report will be sent to all Pennsylvania home economics teacher preparation institutions. Mid-year and final reports also will be delivered.

PA8313112.

Development of Occupational Competency Examinations.

Project Director: Ray, Elizabeth M.

Organization: The Pennsylvania State University 119 Rackley Building, University Park, PA 16802.

Telephone: (814) 865-6331.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2812.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $3,980.

Descriptors: Agricultural-Engineering. Criterion-Referenced-Tests. Test-Construction.

Identifiers: State. Proposal.

The test for agriculture mechanic will be categorized and proportioned based on Vocational-Technical Consortium of States (V-TECS) analysis or on the occupational description contained in 'Dictionary of Occupational Titles' and publications of the US Office of Education and Pennsylvania Department of Education. Examination products will include a thirty-question pretest; an occupational listing of candidate experiences; a written test of 180-200 multiple choice, four detractor questions and key; a performance test of four to five hours containing a series of practical jobs which examine the processes and skills of heating; an examiner's section of a performance test including a detailed description of how one performs each job and an evaluation scale of key elements relating to process and product; a consolidated listing of tools, equipment, and materials needed for the examination; and an evaluation summary. Mid-year and final reports will be delivered.

PA8313113.

Influence of Recent Developments in Computer Technology on Professional Development in Vocational Education.

Project Director: Passmore, David Lynn

Organization: The Pennsylvania State University Rackley Building, University Park, PA 16802.

Telephone: (814) 863-2583.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2813.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $25,644.

Descriptors: Computer-Science. Faculty-Development. Opinion-Papers. Technological-Advancement. Technology-Transfer. Vocational-Education-Teachers.

Identifiers: State. Proposal.

Information on the state of the art, projected technological advances, and current applications of personal computing technology will be identified, collected, and analyzed through literature review and telephone interviews with key analysts in the personal computing industry and education. A written report then will be prepared describing needs, opportunities, problems, and effects of the personal computing revolution on professional development of vocational educators. After review by a panel of vocational educators, revision, and preparation of the final draft, the report will be disseminated through the Pennsylvania Vocational Education Conference, Educational Resources Information Center (ERIC) Document Reproduction Service, the National Technical Information Service, and in hard copy on a cost reimbursement basis. Mid-year and final reports will be delivered.

PA8313114.

Implementing Competency-based Vocational Education (Continuation of 93-2003).

Project Director: Bielenda, Frank

Organization: Wilkes-Barre Area Vocational Technical School RD #2, Jumper Road, Plains, PA 18705.

Telephone: (717) 822-8045.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2815.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $28,693.

Descriptors: Competency-Based-Education. Inservice-Teacher-Education.

Identifiers: State. Proposal.

Thirty-four teachers will be provided six inservice sessions a year to aid in changing to competency-based curriculum. Staff, in small groups, will engage in the following activities: group presentation, individualized module activities, application of learned skills, and evaluation of daily activity. A mid-year and a final report will be delivered.

PA8313115.

Competency-based Business Education in Planning Unit 27.

Project Director: Bell, James E.

Organization: Eastern Northampton County Area Vocational Technical School 5335 Kesslerville Road, Easton, PA 18042.

Telephone: (215) 258-2857.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2814.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $4,560.

Descriptors: Competency-Based-Education. Inservice-Teacher-Education. Learning-Modules. Office-Occupations-Education.

Identifiers: State. Proposal.

Inservice training will be provided for representative staff in clerical, steno-secretarial and accounting curricula to familiarize teachers from each sending district with new office procedures in business and industry and provide opportunities for them to interact with business and industry representatives. The existing Vocational-Technical Education Consortium of States (V-TECS) competency list will be reviewed to identify those most suitable to labor market areas. Teachers will develop instructional materials, define competencies common to each business education course offering, sequence tasks, and decide if each task is best taught in groups or individually. Each subgroup will develop a sample of curriculum for group instruction and one individualized package. A mid-year and a final report will be delivered.

PA8313116.

Teacher Inservice, Competency-based Instruction (Continuation of 85-1808).

Project Director: Sarvas, Arlene F.

Organization: Carbon County Area Vocational Technical School Thirteenth Street, Jim Thorpe, PA 18229.

Telephone: (717) 325-3682.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2817.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $16,012.

Descriptors: Competency-Based-Education. Inservice-Teacher-Education. Learning-Modules. Occupational-Information.

Identifiers: State. Proposal.

A curriculum specialist will be employed full time to assist instructors in curriculum development, and substitutes will be hired. Eight instructors previously involved will develop learning modules. For seven additional instructional areas, task lists will be completed; terminal performance objectives will be identified, developed, and validated; performance steps will be sequenced and validated; and development of learning packages will be started. Craft committees will validate developed materials. Fifteen instructors will receive inservice instruction individually to develop process skills necessary for developing and implementing competency-based vocational education.

PA8313117.

Implementing Competency-based Vocational Education.

Project Director: Mileca, Anthony P.

Organization: Eastern Westmoreland Area Vocational Technical School 849 Hillview Avenue, Latrobe, PA 15650.

Telephone: (412) 539-9788.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2816.

Fiscal Year Funding: $28,265.

Descriptors: Competency-Based-Education. Course-Content. Learning-Modules.

Identifiers: State. Proposal.

Meeting with craft advisory committees, twenty-two teachers will define course scope, validate occupational competencies, and identify valid terminal performance objectives for each task. Further, two distributive education teachers will update their programs to include a third year; twenty teachers will design and write learning activities for the first course year. In August, a two-day inservice workshop will be conducted on techniques and procedures of writing competency-based curriculum. A facilitator will help faculty members write competency-based learning packages on a rotational basis, a half day at a time, throughout the school year. Faculty members will present their packages to the advisory committee for input and verification. Substitutes and a typist will be employed. A mid-year and a final report will be delivered.

PA8313118.

School Improvement—Implementing Competency-based Education.

Project Director: Colaneri, Joseph J.

Organization: Eastern Montgomery County Area Vocational Technical School 175 Terwood Road, Willow Grove, PA 19090.

Telephone: (215) 659-4421.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2818.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $18,943.

Descriptors: Competency-Based-Education. Management-Development.

Identifiers: State. Proposal.

Administrative, instructional, and support staff will be provided with skills required to manage a competency-based instructional system. Competency-based curriculum designed for individualized instruction and equal educational opportunity will provide for multiple entry and exit points and will enable students to move from program to program without penalty or repetition of skills instruction. Prospective employers will receive documentation of student skills, and a formal system will be provided for using industry personnel to update course content annually. Teachers will be provided with inservice sessions and a basis for requesting equipment purchase or facility modification.

PA8313119.

An Analysis and Synthesis of the Perceptions of Selected Secondary School Counselors of the American School Counselor Association Regarding Community Linkages in Career Education.

Project Director: Minkoff, Hilda B.

Organization: Temple University Department of Vocational Education, Philadelphia, PA 19122.

Telephone: (215) 787-6022.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2819.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,852.

Descriptors: Career-Education. Community-Support. High-Schools. School-Community-Relationship. School-Counselors.

Identifiers: State. Proposal. *American School Counselor Association.

A national random stratified sample of high school counselor members of the American School Counselor Association will be surveyed on their awareness of community linkages and support of career education, their agreement about the need for this support, and the degree to which counselors themselves are involved in these efforts. Answers will be subjected to the appropriate tests. A mid-year and a final report will be delivered.

PA8313121.

Competency-based Curriculum Teacher Inservice Education Program (Continuation of 85-1807).

Project Director: Seiple, Donald R.

Organization: Monroe County Area Vocational Technical School PO Box 66, Bartonsville, PA 18321.

Telephone: (717) 629-2001.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 83-2821.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $3,600.

Descriptors: Competency-Based-Education. Inservice-Teacher-Education. Learning-Modules. Management-Systems. Task-Analysis.

Identifiers: State. Proposal.

The development of competency-based education programs will be continued by teachers in individual inservice days. Teachers will identify sequential performance steps for each task sequence, determine resources needed to perform tasks, determine required task sequence, complete performances for each objective, design a learning management system, and develop learning modules for each task. Daily individual consultations will be scheduled to assist teachers in curriculum writing and to monitor progress. A mid-year and a final report will be delivered.

PA8313122.

Determining the Impact of a Leadership Module on the Performance of Pennsylvania Community College Staff Developers.

Project Director: Ringling, Dennis F.

Organization: Temple University Department of Vocational Education, Philadelphia, PA 19122.

Telephone: (215) 787-6028.

Sponsoring Agency: SYN76150.

Contract/Control No.: CN: 83-2820.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $1,852.

Descriptors: Inservice-Education. Leadership-Training. Management-Development. Relationship. Staff-Development.

Identifiers: State. Proposal.

An inservice program for attainment of staff development competency by community college leadership personnel will be designed, delivered, and evaluated. The competence of fourteen community college presidents and other staff development personnel will be measured before and after participation in the program, which will be designed according to the leadership module, 'Provide a Staff Development Program,' to determine the extent of module impact. The data will be analyzed, and measures of central tendencies as well as nonparametric statistical tests will be applied as needed.

Exemplary and Innovative (Sec. 132)

PA8313202.
Development and Implementation of Competency-based Curriculum.
Project Director: Stammel, Ronald L.
Organization: Dauphin County Area Vocational Technical School 6001 Locust Lane, Harrisburg, PA 17109.
Telephone: (717) 652-3170.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.
Contract/Control No.: CN: 84-2801.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $27,700.
Descriptors: Competency-Based-Education. Inservice-Teacher-Education. Job-Analysis. Occupational-Information.
Identifiers: State. Proposal.

A curriculum supervisor will be responsible for implementing a school-wide system to plan curriculum and improve instruction. The twenty teachers involved will develop and validate competency task lists for their occupations with their craft advisory committees, be provided with six inservice programs to develop skills for outlining instruction and managing competency-based instruction, and be provided with a basis for requesting equipment purchase or facility modification. For each of fifteen occupational areas, competency task lists will be developed and validated, and learning activities, experiences, and jobs to support task development or mastery will be designed. Necessary information and theory for each task will be identified. Progress records will be developed and maintained for students, who will be provided the opportunity to move from one institutional program to another without repetition of skills instruction. Prospective employers will receive documentation of student skills. A mid-year and a final report will be delivered.

PA8313203.
Teacher Release Time During the School Day to Improve Curriculum (Continuation of 85-2002).
Project Director: Kruszewski, John S.
Organization: Central Montgomery County Area Vocational Technical School Plymouth Road and New Hope Street, Norristown, PA 19401.
Telephone: (215) 277-2301.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.
Contract/Control No.: CN: 84-2803.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $1,000.
Descriptors: Competency-Based-Education. Course-Descriptions. Lesson-Plans. Vocational-Education-Teachers.
Identifiers: State. Proposal.

Twenty-four teachers will be allowed release time to work with the curriculum administrator to develop competency-based course outlines, develop new duty/task lessons, improve old lessons, and implement completed lessons. Substitutes will be hired to cover classes for forty days spread over the school year. This method will give teachers a more personalized approach to meeting project objectives. A mid-year and a final report will be delivered.

PA8313204.
Competency-based Curriculum Development: Teacher Inservice Education Program (Continuation of 84-1811).
Project Director: Kach, Joseph J.
Organization: Lehigh County Area Vocational Technical School 2300 Main Street, Schnecksville, PA 18078.
Telephone: (215) 799-1322.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.
Contract/Control No.: CN: 84-2804.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $28,981.
Descriptors: Behavioral-Objectives. Competency-Based-Education. Occupational-Information.
Identifiers: State. Proposal.

Vocational education courses will be updated through the development of competency-based curriculum. Teacher committees will assess program needs, develop relevant occupational descriptions, write course descriptions, and list course objectives. Task lists will be validated, and for each task, performance objectives will be written. Instructional materials and/or modules will be developed or identified to accompany the learning activities. A recordkeeping system will be developed to monitor student progress. A mid-year and a final report will be delivered.

PA8313205.
Competency-based Vocational Education Program (Continuation of 84-1804).
Project Director: Marotta, Manfred C.
Organization: Hazleton Area Vocational-Technical School Twenty-third and McKinley Streets, Hazleton, PA 18201.
Telephone: (717) 459-3170.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.
Contract/Control No.: CN: 84-2805.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $6,440.
Descriptors: Competency-Based-Education. Inservice-Teacher-Education. Management-Systems. Staff-Development.
Identifiers: State. Proposal.

A five-year, long-range staff development program will enable vocational educators to redesign curriculum at the Hazleton Area Vocational-Technical School to conform to competency-based vocational education curriculum. Students will have input into instructional programs. An administrative learning and retrieval system for individualized education programs will be developed, as well as an evaluation system to keep courses relevant. A mid-year report and a final report will be delivered.

PA8313206.
Solar Energy Curriculum Materials for Building Trades Instructors (Continuation of 84-1801).
Project Director: Paul, Dalton E.
Organization: Franklin County Area Vocational-Technical School 2463 Loop Road, Chambersburg, PA 17201.
Telephone: (717) 263-9033.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.
Contract/Control No.: CN: 84-2806.
Funding Period: Start Date 01 Jul 82; End Date 30 Sep 82.
Fiscal Year Funding: $6,942.
Descriptors: Educational-Resources. Inservice-Teacher-Education. Job-Analysis. Solar-Radiation.
Identifiers: State. Proposal.

The tasks performed by a solar energy mechanic and tools and equipment used to perform those tasks will be identified. Participants will become aware of state and national resources available for developing solar energy skills, use practical techniques to demonstrate solar energy applications in the building trades, and become aware of theoretical concepts related to solar energy applications. After the first day, participants will construct solar domestic hot water systems to use as teaching aids in their respective schools. A final report will be delivered.

PA8313207.
Instructional Improvement Project (Continuation of 85-1812).
Project Director: Reynolds, Albert R.
Organization: Greater Johnstown Area Vocational-Technical School 445 Schoolhouse Road, Johnstown, PA 15904.
Telephone: (814) 266-6073.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 84-2807.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $8,313.

Descriptors: Competency-Based-Education. Inservice-Teacher-Education.

Identifiers: State. Proposal.

Thirty-six vocational teachers will be employed to work individually and in small groups to complete tasks designed to provide them with competencies required to understand the curriculum development process. They will complete and validate a competency-based program. A final report will be delivered.

PA8313208.

Direct Assistance for Competency-based Vocational Education (Continuation of 84-1806).

Project Director: Layman, Ralph M.

Organization: Lancaster County Area Vocational Technical School 1730 Hans Herr Drive, Willow Street, PA 17584.

Telephone: (717) 464-2771.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 84-2808.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $26,986.

Descriptors: Appliance-Repair. Cosmetology. Data-Processing. Distributive-Education. Electrical-Occupations. Food-Service. Graphic-Arts. Heating. Horticulture. Maintenance. Occupational-Information. Painting-Industrial-Arts. Patternmaking. Program-Validation. Ventilation. Welding.

Identifiers: State. Proposal.

Meetings will be scheduled and performance objectives and guides prepared so that craft committees can validate performance objectives, performance steps, check lists, and tests for electrical occupations, graphics, welding, horticulture/floriculture, business data processing, food trades, heating and ventilating, patternmaking, and career construction cluster. Graduate surveys (classes 1973-81) for cosmetology, distributive education, food trades, building maintenance, graphics, painting and decorating, heating and ventilating, welding, appliance repair, and electrical occupations will be prepared, mailed, and tabulated. The above research will be used to update all task lists and job descriptions. A grade book will be developed specifically for competency-based education recordkeeping. Task lists and other materials will be provided to local companies, school counselors, and principals. A mid-year and a final report will be delivered.

PA8313209.

Expanding the Role of Education Institutions in the Small Business Expansion Process.

Project Director: Silkman, William R.

Organization: Erie County Area Vocational-Technical School 8500 Oliver Road, Erie, PA 16509.

Telephone: (814) 864-0641.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 84-3001.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $51,608.

Descriptors: Economic-Development. Publicity. School-Business-Relationship. School-Involvement. Site-Analysis. Small-Businesses.

Identifiers: State. Proposal. Mailing Lists. Mail Surveys.

A mailing list will be compiled of all small businesses in Erie County and communication between schools and businesses encouraged. Vocational training area brochures aimed at small business employers will be produced as well as a vocational school newsletter, slide/tape presentations, group lectures, and luncheon information meetings. Staff visits to small businesses will be planned. Methods, procedures, and results of this planned community approach will be disseminated to the educational community. A small business skill needs survey will be developed and sent to at least 800 small businesses; the responses will be analyzed. Program response to survey results will be developed. A final report will be delivered.

PA8313210.

School Improvement Plan Competency-based Instruction.

Project Director: Kauffman, John M.

Organization: SUN Area Vocational-Technical School 815 East Market Street, New Berlin, PA 17855.

Telephone: (717) 966-1031.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 84-2809.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $14,451.

Descriptors: Competency-Based-Education. Improvement. Individualized-Programs. Industrial-Training. Inservice-Teacher-Education. Program-Development. Retraining. Skill-Development.

Identifiers: State. Proposal. *Open Entry Open Exit.

An open entry/open exit individualized instructional program for secondary and adult students will be developed. Research will result in identifying, validating, and/or modifying competencies to be taught. Intensive inservice programs will introduce the program to staff. Prospective employers will be provided with documentation of the skills students have developed. A formal system used by industry will be instituted for updating course content annually. Upgrading and retraining in industrial training will be produced. The articulation program between SUN Area Vocational-Technical School and Williamsport Area Community College to develop competency-based programs will continue. A final report will be delivered.

Curriculum Development (Sec. 133)

PA8313301.

Vocational-Technical Education Consortium of State (V-TECS) Membership (Consortium of 93-2009).

Project Director: McCage, Ronald D.

Organization: Southern Association of Colleges and Schools 795 Peachtree Street, NE, Atlanta, GA 30365.

Telephone: (404) 897-6105.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 93-3001.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $20,000.

Descriptors: Behavioral-Objectives. Catalogs. Delivery-Systems. Guides. Program-Validation.

Identifiers: State. Proposal. *Vocational Technical Education Consortium States.

Pennsylvania's membership in V-TECS will be maintained to help the state develop catalogs of performance objectives and performance guides and to help conduct V-TECS product validation and diffusion activities. V-TECS will provide a technical coordinator to the state, and the state will have a voting representative on the V-TECS board of directors. A diffusion plan for V-TECS materials will be developed and implemented as well as preservice and inservice teacher instruction in the use of these materials. A mid-year and a final report will be delivered.

PA8313302.

Interstate Distributive Education Curriculum Consortium Membership Fee (Continuation of 85-2007).

Project Director: Gleason, James R.

Organization: Interstate Distributive Education Curriculum Consortium, Inc. The Ohio State University, 1564 West First Avenue, Columbus, OH 43212.

Telephone: (614) 486-6708.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 85-3001.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,625.

Descriptors: Consortia. Professional-Development. Professional-Organizations.

Identifiers: State. Proposal. *Distributive Education Clubs of America. *Interstate Distributive Educ Curriculum Consortium.

Membership in the consortium will provide Pennsylvania with (1) forty percent discount on all products and services (computer services, learning activity packages, Distributive Education Clubs of America-related materials, audiovisual materials, training plans, management materials, teacher education materials); (2) consulting and inservice training by IDECC staff at reduced fees; (3) free materials; (4) free admittance to annual consortium meeting and professional workshop; and (5) free loan materials for exhibits and conferences. A mid-year and a final report will be delivered.

PA8313303.

Teacher Inservice Program to Implement Competency-based Vocational Education (Continuation of 85-1802).

Project Director: Erisman, Kenneth E.

Organization: Bethlehem Area Vocational Technical School 3300 Chester Avenue, Bethlehem, PA 18017.

Telephone: (215) 866-8013.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 85-2803.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $4,500.

Descriptors: Articulation-Education. Competency-Based-Education. Equal-Education. Individualized-Programs. Inservice-Teacher-Education. Staff-Development. Student-Records.

Identifiers: State. Proposal. *Open Entry Open Exit.

The competency-based vocational education program at Bethlehem Area Vocational-Technical School will be improved by the development of an individualized instructional program for each student, an open entry/open exit policy, documentation of student skills for prospective employers, and industry input into course content update. A long-range, flexible staff development program will continue with large and small group and individual sessions. The supervisor of instruction will be responsible for program implementation and the integration into the program of new materials and methodologies. A mid-year and a final report will be delivered.

PA8313304.

Inservice Training to Implement Competency-based Vocational Education (Continuation of 85-1801).

Project Director: McLaine, Patrick J.

Organization: Lackawanna County Area Vocational Technical School 120 Monahan Avenue, Dunmore, PA.

Telephone: (717) 346-8471.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 85-2802.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $21,559.

Descriptors: Behavioral-Objectives. Competency-Based-Education. Educational-Strategies. Evaluation-Methods. Inservice-Teacher-Education. Job-Analysis. Learning-Activities. Management-Systems.

Identifiers: State. Proposal.

Individual and small group inservice training to implement competency-based vocational education will be conducted for staff at Lackawanna County Area Vocational Technical School. Advisory committees will develop job competencies, performance objectives, performance assessment strategies, and enabling objectives or learning activities to aid mastery of validated tasks. A management system will be used to monitor student progress toward occupational objectives. Following student and industry feedback, revisions in program content and process will be made as needed. A mid-year and a final report will be delivered.

PA8313305.

Continuation and Expansion of Performance-based Vocational Education—Phase 2 Implementation (Continuation of 85-1810).

Project Director: Marley, Richard G.

Organization: Middle Bucks Area Vocational Technical School Box 317, Jamison, PA 18929.

Telephone: (215) 343-2480.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 85-2801.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $6,837.

Descriptors: Behavioral-Objectives. Competency-Based-Education. Inservice-Teacher-Education.

Identifiers: State. Proposal.

The implementation of a competency-based vocational education program will be continued. Resources required to perform tasks and the required sequences for these tasks will be determined. Student performance on each objective will be assessed. These activities will be completed in small group sessions, and the supervisor will modify them as needed. Monthly reports and progress charts will be made available. A mid-year and a final report will be delivered.

PA8313306.

Continuation of a Program to Develop Competency-based Vocational Education in the Two Area Vocation Technical Schools of Chester County (Continuation of 85-2004).

Project Director: Keim, Charles R.

Organization: Chester County IU #24. 1530 East Lincoln Highway, Coatesville, PA 19320.

Telephone: (215) 383-3800.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 93-3005.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $34,003.

Descriptors: Auto-Mechanics. Behavioral-Objectives. Carpentry. Competency-Based-Education. Cosmetology. Electrical-Occupations. Employment-Opportunities. Technological-Advancement.

Identifiers: State. Proposal.

Employment opportunities and technological changes in defined occupations will be identified, and existing task lists will be reviewed for defined occupations. Terminal performance objectives, sequential performance steps, and resource requirements for auto mechanics, carpentry, cosmetology, and electrical occupations will be identified. The competency-based vocational education progress chart will be followed in performing these sequences. Additional training areas will be identified and their task lists validated. Forty-three instructors will complete these activities in inservice sessions with technical assistance from a curriculum facilitator. A mid-year and final report will be delivered.

PA8313307.

Competency-based Vocational Education Implementation.

Project Director: Jameson, David B.

Organization: Indiana County Area Vocational-Technical School RD #3, Box 6-A, Hamill Road, Indiana, PA 15701.

Telephone: (412) 349-6700.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 93-3002.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $16,546.

Descriptors: Competency-Based-Education.

Identifiers: State. Proposal.

Three first-year and twelve second-year vocational teachers will develop competencies required to deliver competency-based education programs. The teachers will validate tasks specified by their advisory committees and a special coordinator. They will be trained in the curriculum development process. Most teacher inservice meetings will be devoted to the competency-based project. A mid-year and a final report will be delivered.

PA8313308.

Development and Delivery of Competency-based Instruction to Secondary Vocational Students at North Fayette Area Vocational-Technical School (Continuation of 85-1803).

Project Director: Barry, William F.

Organization: North Fayette Area Vocational-Technical School Locust Street Extension, Connellsville, PA 15425.

Telephone: (412) 626-0236.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.
Contract/Control No.: CN: 93-3003.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $9,378.
Descriptors: Competency-Based-Education.
Identifiers: State. Proposal.

This project will continue the planning, design, and delivery of competency-based educational materials for secondary vocational students. A curriculum coordinator will assist the faculty in developing and delivering this instruction. A mid-year and a final report will be delivered.

PA8313312.

Inservice Training Proposal for Competency-based Vocational Education (Continuation of 84-1802).

Project Director: Yuhas, Andrew J.
Organization: School District of Penn Hills 12200 Garland Drive, Pittsburgh, PA 15235.
Telephone: (412) 793-7000.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.
Contract/Control No.: CN: 93-3004.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $3,500.
Descriptors: Career-Choice. Competency-Based-Education. Disabilities. Disadvantaged. Individualized-Education-Programs. Inservice-Teacher-Education. Instructional-Materials. Resource-Materials.
Identifiers: State. Proposal.

Vocational teachers will be provided with release time to develop competency-based instructional materials, to choose and use resource materials for the classroom, and to identify management tools. Student performance evaluation methods will be determined. Individual career goals and career choice and instructional program content will be determined. A learning management system to monitor the progress of special education students in individualized education programs will be developed. A mid-year and a final report will be delivered.

PA8313313.

Consortium with The Ohio State University (Continuation of Contract Number 85-2006).

Project Director: Norton, Robert
Organization: The Ohio State University Research Foundation 1960 Kenny Road, Columbus, OH 43210.
Telephone: (614) 486-3655.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.
Contract/Control No.: CN: 85-3002.
Funding Period: Start Date 01 Sep 82; End Date 31 Aug 83.
Fiscal Year Funding: $26,000.
Descriptors: Competence. Consortia. Leadership-Development. Modules. Professional-Associations. Professional-Development. Skill-Development.
Identifiers: State. Proposal.

Pennsylvania will maintain its membership in the Consortium for the Development of Professional Materials for Vocational Education. This will provide an organizational structure for continued development and field-testing of professional development materials for vocational education. Each year, Pennsylvania cooperatively will develop and field-test six to ten leadership development modules, with module competencies determined by consortium members. Modules will be written by National Center for Research in Vocational Education staff members, in collaboration with consultants nominated by member states. A final report will be delivered.

PA8313314.

School Improvement Plan.

Project Director: Moyer, Marvin R.
Organization: Upper Bucks Area Vocational-Technical School RR 2, Box 207, Perkasie, PA 18941.
Telephone: (215) 795-2911.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.
Contract/Control No.: CN: 85-2804.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $4,750.
Descriptors: Individualized-Programs. Inservice-Teacher-Education.
Identifiers: State. Proposal. *Open Entry Open Exit.

An individualized, open entry/exit instructional program for secondary and adult students will be developed in which students may move from secondary to postsecondary programs without penalty or repetition of skills learning. An accompanying staff inservice program will be provided. Prospective employers will receive documentation of the skills students possess. A formal system used by industry will be implemented to update course content annually. A final report will be delivered.

PA8313315.

Developing Inservice Brochures Designed To Prepare the Vocational Educator Academically and Attitudinally To Work with Disadvantaged Students.

Project Director: Iwler, Irvin H.
Organization: University of Pittsburgh Vocational Education, 4K03 Forbes Quadrangle, Pittsburgh, PA 15260.
Telephone: (412) 624-1291.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.
Contract/Control No.: CN: 93-3012.
Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.
Fiscal Year Funding: $9,031.
Descriptors: Disadvantaged. Educationally-Disadvantaged. Economically-Disadvantaged. Inservice-Education. Pamphlets.
Identifiers: State. Proposal.

Consultants with expertise in working with disadvantaged students in vocational education settings will write two inservice brochures addressing the special learning needs of economically disadvantaged students and academically disadvantaged students. A summary booklet will be published incorporating information from both brochures. All three documents will be distributed to each vocational educator in Pennsylvania. The brochures will describe teaching strategies and evaluation techniques, resources to help vocational educators help students, guidance counseling strategies, tips for parents, suggestions for employers, and recommendations for researchers. A final report will be delivered.

PA8313316.

Development of Instructional Materials for Vocational Personnel Serving Students Who Are Speakers of Other Languages and Have Limited English Proficiency.

Project Director: Miller, Dolores
Organization: Temple University RA-447, Ritter Addition Building, Department of Vocational Education, Philadelphia, PA 19122.
Telephone: (215) 787-6015.
Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.
Contract/Control No.: CN: 85-3003.
Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.
Fiscal Year Funding: $21,182.
Descriptors: Feasibility-Studies. Instructional-Materials. Limited-English-Speaking. Non-English-Speaking.
Identifiers: State. Proposal.

A feasibility study will be conducted to determine the effectiveness of materials developed to teach non-English-speaking and limited English-speaking vocational students. These materials will be developed by consultants, pilot tested, and then studied. A final report will be delivered.

PA8313317.

Formulation and Dissemination of Curriculum Resource Information and Materials for Vocational Teachers of Disadvantaged Learners.

Project Director: Wircenski, Jerry L.
Organization: The Pennsylvania State University 501 J 0 Keller Building, University Park, PA 16802.

Telephone: (814) 865-0453.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 93-3010.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $28,981.

Descriptors: Delivery-Systems. Disadvantaged. Educational-Resources. Newsletters.

Identifiers: State. Proposal.

Programming information, curriculum materials, instructional resources, exemplary approaches, evaluation strategies, etc. which have proved effective with disadvantaged learners will be solicited from the educational community. This information will be compiled in six monthly newsletters to be sent to administrators, teachers, counselors, and others. The informational resources in these newsletters will be appropriate for photocopying and use in schools, workshops, and conferences. A final report will be delivered.

PA8313318.

Vocational-Technical Education Consortium of States (V-TECS) Catalog Development: Electromechanical (Robotics) Technician.

Project Director: Jacobs, Daniel K.

Organization: Associated Educational Consultants, Inc. North Allegheny Office and Research Park, McKnight and Pine Creek Roads, PO Box 15073, Pittsburgh, PA 15237.

Telephone: (412) 931-2244.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 85-3004.

Funding Period: Start Date 01 Feb 83; End Date 30 Jun 83.

Fiscal Year Funding: $20,880.

Descriptors: Behavioral-Objectives. Catalogs. Electromechanical-Technology. Equipment-Utilization. Job-Analysis. Job-Skills. Task-Analysis.

Identifiers: State. Proposal. *Robotics. Vocational-Technical Education Consortium States.

The job title, Electromechanical (Robotics) Technician, will be defined; a catalog of performance objectives and performance guides for this job title will be produced. A population of incumbent workers in this occupation will be identified along with tasks they perform and tools/equipment that they use. Task/tool/equipment lists will be evaluated, and an occupational inventory survey will be conducted. A review catalog will be prepared and reviewed. A final 'Catalog of Performance Objectives and Performance Guides for Electromechanical (Robotics) Technician' will be delivered.

PA8313319.

Vocational-Technical Education Consortium of States (V-TECS) Catalog Development: Laser Technician.

Project Director: Jacobs, Daniel K.

Organization: Associated Educational Consultants, Inc. North Allegheny Office and Research Park, McKnight and Pine Creek Roads, PO Box 15073, Pittsburgh, PA 15237.

Telephone: (412) 931-2244.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 85-3005.

Funding Period: Start Date 01 Feb 83; End Date 30 Jun 83.

Fiscal Year Funding: $22,005.

Descriptors: Behavioral-Objectives. Catalogs. Equipment-Utilization. Job-Analysis. Job-Skills. Lasers. Task-Analysis.

Identifiers: State. Proposal. Vocational-Technical Education Consortium States.

The job title, Laser Technician, will be defined; a catalog of performance objectives and performance guides for this job title will be produced. A population of incumbent workers in this occupation will be identified along with tasks they perform and tools/equipment that they use. Task/tool/equipment lists will be evaluated, and an occupational inventory survey will be conducted. A review catalog will be prepared and reviewed. A final 'Catalog of Performance Objectives and Performance Guides for Laser Technician' will be delivered.

PA8313320.

Identification and Evaluation of Computer Software in Home Economics.

Project Director: Hovis, Helen B.

Organization: Indiana University of Pennsylvania Ackerman Hall, Indiana, PA 15705.

Telephone: (412) 357-4412.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 85-3006.

Funding Period: Start Date 24 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $23,042.

Descriptors: Computer-Programs. Computers. Home-Economics. Home-Economics-Teachers. Summative-Evaluation.

Identifiers: State. Proposal.

Computer software and compatible hardware in five home economics areas will be identified, then evaluated by home economics educators from secondary schools and universities or colleges. An evaluation device will be developed. A final report, including listings of software, suitable hardware, and the evaluations, will be delivered.

PA8313321.

Development of Competency-based Horticultural Instructional Materials for Handicapped Students.

Project Director: Baggett, Connie

Organization: The Pennsylvania State University 501 J O Keller Building, University Park, PA 16802.

Telephone: (814) 865-0453.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 93-3009.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $15,000.

Descriptors: Agricultural-Education. Competency-Based-Education. Disabilities. Horticulture. Instructional-Materials. Vocational-Education-Teachers.

Identifiers: State. Proposal.

Vocational agriculture teachers will provide competency-based instructional materials for compilation and review and will identify areas where these materials can aid instruction of handicapped students. Competency-based instructional materials in horticulture, developed specifically for handicapped students, will be designed by a team consisting of vocational teachers, local administrators, and industry personnel. The materials will be field-tested, evaluated, and revised, then distributed to secondary schools throughout Pennsylvania. A final report will be delivered.

PA8313322.

Developing Inservice Brochures Designed To Prepare the Vocational Educator Academically and Attitudinally To Work with Handicapped Students.

Project Director: Iwler, Irvin H.

Organization: University of Pittsburgh Vocational Education, 4K03 Forbes Quadrangle, Pittsburgh, PA 15260.

Telephone: (412) 624-1291.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 93-3011.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $17,519.

Descriptors: Disadvantaged. Educational-Equipment. Educational-Facilities. Emotional-Disturbances. Hearing-Impairments. Mental-Retardation. Pamphlets. Physical-Disabilities. Teaching-Methods. Visual-Impairments.

Identifiers: State. Proposal. *Special Needs Students.

Special education and vocational education consultants will identify the modifications in curriculum, facilities, equipment, and teaching strategies needed to help the special students in vocational classrooms. Drafts of inservice brochures will be written about the physically handicapped, mentally disabled, emotionally disturbed, hearing disabled, disadvantaged, visually impaired, and hearing impaired. Local exemplary vocational programs serving the handicapped will be visited for their input into the brochures. Final drafts of the brochures will be printed and distributed, and a final report will be delivered.

PA8313323.

Trainable Mentally Retarded Program/Curriculum Development.

Project Director: Muzzi, Robert D.

Organization: Lackawanna County Area Vocational-Technical School 120 Monahan Avenue, Dunmore, PA 18512.

Telephone: (717) 344-9212.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 93-3008.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $12,000.

Descriptors: Entry-Workers. Job-Skills. Moderate-Mental-Retardation.

Identifiers: State. Proposal. *Special Needs Students.

The vocational needs of trainable mentally retarded students will be determined, along with programs or systems to provide vocational education to special needs students. Materials and programs addressing similar problems will be obtained from resource centers and other schools. This information will be evaluated and local needs identified. New programs or methods to provide job-entry skills will be developed, along with accompanying curriculum. A final report will be delivered.

PA8313324.

Identification of Computer Software and Compatible Hardware for Handicapped Students.

Project Director: Reid, James

Organization: Indiana University of Pennsylvania Reschini House Indiana, PA 15705.

Telephone: (412) 357-4434.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 93-3006.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $8,250.

Descriptors: Computer-Programs. Directories. Disabilities. Educational-Resources. Secondary-School-Students.

Identifiers: State. Proposal.

A directory will be developed listing software available for different handicapped populations and identifying the type of microsystem to be used and the microsystem requirements. Recommendations about identifying hardware and software also will be included. Resource organizations and major distributors or publishers of software will be identified. A telephone questionnaire will be developed for use with the organizations identified to collect information on the types and uses of software distributed and determine if handicapped populations are being served. A final report will be delivered to the Vocational Program Support Services Section.

PA8313325.

Identification of Computer Software and Compatible Hardware for Disadvantaged Students.

Project Director: Reid, James PHONE (412) 357-4434.

Organization: Indiana University of Pennsylvania Reschini House, Indiana, PA 15705.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 93-3007.

Funding Period: Start Date 01 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $8,250.

Descriptors: Computer-Programs. Directories. Disadvantaged. Microcomputers.

Identifiers: State. Proposal.

A directory listing available software for disadvantaged populations will be developed and the type of microsystem and microsystem requirements needed for this software will be identified. Educational computer resource organizations and major distributors or publishers of computer software will be identified. These sources will be surveyed concerning their knowledge of available computer resources for the disadvantaged. A final report will be delivered.

PA8313326.

Articulated Approach to Provide Necessary Inservice Training to Plan, Develop, and Implement Competency-based Vocational Education.

Project Director: Smith, Susan

Organization: Berks County Area Vocational-Technical School 2900 St. Lawrence Avenue, Reading, PA 19606.

Telephone: (215) 779-7111.

Sponsoring Agency: Pennsylvania State Dept. of Education, Harrisburg.

Contract/Control No.: CN: 85-2805.

Funding Period: Start Date 30 Jun 82; End Date 01 Jul 83.

Fiscal Year Funding: $17,498.

Descriptors: Inservice-Teacher-Education. Material-Development. School-Visitation.

Identifiers: State. Proposal.

Release time and substitute instructors will be provided so that teachers may participate in inservice activities that will help them (1) understand competency-based vocational education (CBVE) and why it is necessary; (2) develop competencies necessary to plan, develop, and integrate competency-based materials into their programs; (3) develop supportive materials; (4) identify sources that may be helpful in developing CBVE materials; and (5) develop recordkeeping and management skills. Modules for specific units of instruction will be prepared for pilot testing CBVE implementation, and necessary materials and equipment for implementation will be provided. Additionally, a data base of pilot tested materials will be built as a basis for determination of skill development by instructors and effectiveness of materials. Some instructors will visit ongoing CBVE sites, and a learning management system will be designed.

South Carolina

Research (Sec. 131)

SC8313101.
Prevocational Education Longitudinal Study.
Project Director: Morrison, Gregory G.
Organization: South Carolina Department of Education, Office of Vocational Education, Research Coordinating Unit Rutledge Building, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-2358.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Contract/Control No.: CN: VRCU-83-06.
Funding Period: Start Date 30 Sep 82; End Date 30 Jun 83.
Fiscal Year Funding: $2,000.
Descriptors: Career-Choice. Grade-9. Grade-10. Grade-11. Grade-12. Longitudinal-Studies. Prevocational-Education.
Identifiers: State. Proposal.

Data will be collected, analyzed, and reported concerning the role prevocational education plays in student career decisions. Students in ninth through twelfth grade, who are or who have been enrolled in prevocational education, will be surveyed. A final report will be prepared.

SC8313102.
Farm Management Instructional Material Evaluation.
Project Director: Strasler, Gregg M.
Organization: South Carolina Department of Education Office of Vocational Education, Research Coordinating Unit, Rutledge Building, Room 916, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-2358.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Contract/Control No.: CN: VRCU-83-05.
Funding Period: Start Date 06 Aug 82; End Date 18 Jul 83.
Fiscal Year Funding: $1,000.
Descriptors: Curriculum-Evaluation. Farm-Management. Instructional-Materials. Pretests-Posttests. Textbook-Evaluation.
Identifiers: State. Proposal.

Farm management curriculum materials will be evaluated in terms of comprehensiveness, clarity, and usefulness by instructors. Also, a curriculum team will evaluate the guide for strengths and weaknesses and will make recommendations. A pretest and a posttest will be constructed for the evaluation, and a final report will describe evaluation results.

SC8313103.
South Carolina Vocational Education Relevancy Study.
Project Director: Morrison, Gregory G.
Organization: South Carolina Department of Education, Office of Vocational Education Rutledge Building, Room 916, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-2358.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Contract/Control No.: CN: VRCU-83-03.
Funding Period: Start Date 01 Oct 82; End Date 13 May 83.
Fiscal Year Funding: $1,000.
Descriptors: Academic-Achievement. Needs-Assessment. Program-Evaluation. Relevance-Education. Student-Characteristics.
Identifiers: State. Proposal.

Various elements of the South Carolina vocational education system will be assessed. These elements will include educational context, educational input, process by which staff and facilities are organized into programs, program product, and educational impact. Data from various sources will be synthesized, and a report will be prepared and distributed.

SC8313104.
Trade and Industry Technical Skill Examinations Assessment.
Project Director: Strasler, Gregg M.
Organization: South Carolina Department of Education Rutledge Building, Room 916, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-2358.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Contract/Control No.: CN: VRCU-83-01.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $500.
Descriptors: Teacher-Evaluation. Technical-Education. Test-Construction. Test-Validity. Trade-and-Industry-Education.
Identifiers: State. Proposal.

Review and evaluation of three to five trade and industry technical skill examinations for prospective teachers will include content validation; determination of test characteristics through field-testing; criterion-related validation; and determination of test usage for certification. A final report with recommendations for examination revision will be written.

SC8313105.
Electricity Competency Test.
Project Director: Brailsford, Amelia T.
Organization: South Carolina Department of Education, Office of Vocational Education, Research Coordinating Unit Rutledge Building, Room 916, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-2358.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Contract/Control No.: CN: VRCU-83-02.
Funding Period: Start Date 09 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $1,000.
Descriptors: Electricity. Knowledge-Level. Test-Construction. Test-Items. Test-Validity.
Identifiers: State. Proposal. *Competency Tests.

A competency test to determine the knowledge levels of secondary students upon completion of their vocational electricity training program will be produced and field-tested. Electricity textbooks will be analyzed for cognitive objectives. Program instructors and industry representatives will identify basic knowledge needed by all program graduates. Test items for these objectives will be written and field-tested by a sample of students. Items will be refined as needed, and a final form of the test will be developed for use in local school districts. A final report will be delivered.

Curriculum Development (Sec. 133)

SC8313301.
Prevocational Education Guide.
Project Director: Moore, E. Cortez
Organization: South Carolina Department of Education Office of Vocational Education, Ninth Floor, Rutledge Building, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-5971.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $1,000.
Descriptors: Prevocational-Education. Program-Descriptions. Resource-Materials.
Identifiers: State. Proposal.

General information on the definition, goals, and objectives of prevocational education and on establishment of prevocational programs will be developed as a resource guide for teachers, administrators, and guidance counselors.

SC8313302.
Recruitment in Marketing and Distributive Education.
Project Director: Gregory, Margaret; Coffey, Tim
Organization: South Carolina Department of Education Office of Vocational Education, Ninth Floor, Rutledge Building, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-5971.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $3,000.
Descriptors: Distributive-Education. Enrollment. Marketing. Pamphlets. Program-Descriptions. Student-Recruitment.
Identifiers: State. Proposal.

Brochures will be developed to describe marketing and distributive education programs and to encourage program enrollment. Materials will be designed, illustrated, and prepared by project directors and a teacher committee.

SC8313303.
Mechanical Drawing 1.
Project Director: Gregory, Margaret; Bunn, Joe
Organization: South Carolina Department of Education Office of Vocational Education, Ninth Floor, Rutledge Building, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-5971.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $2,500.
Descriptors: Charts. Drafting. Engineering-Drawing. Graphs. Illustrations. Learning-Activities. Learning-Modules.
Identifiers: State. Proposal.

The project director and a teacher committee will develop learning activity packages for various secondary level drafting topics and prepare them for field review. Topics will include charts and graphs, operating and assembly drawing, use of drafting equipment, drafting techniques, and pictorial drawings.

SC8313304.
Ornamental Horticulture—Audiovisual Material.
Project Director: Stover, Frank R.
Organization: South Carolina Department of Education Office of Vocational Education, Ninth Floor, Rutledge Building, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-2163.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $1,000.
Descriptors: Agriculture-Education. Filmstrips. Ornamental-Horticulture. Scripts.
Identifiers: State. Proposal.

Slides will be obtained and converted to filmstrips for use in agriculture classes. Subject matter will include vines, ground covers, shrubs, and trees. Scripts will be written to accompany the filmstrips. One set of slides will be produced for each program.

SC8313305.
Business Education—Recruitment Material.
Project Director: Hayden, Ellen; Kelly, Andrea
Organization: South Carolina Department of Education Office of Vocational Education, Ninth Floor, Rutledge Building, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-5971.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $3,000.
Descriptors: Bulletin-Boards. Career-Awareness. Employment-Opportunities. Pamphlets. Student-Recruitment.
Identifiers: State. Proposal. Posters.

The project director and a teacher committee will develop materials (consisting of a brochure, pamphlet, posters, bulletin board ideas, and flyers) which inform students and parents of careers in business and office occupations. One set of materials will be produced for each program.

SC8313306.
Vocational-Technical Education Consortium States (V-TECS) Guide—Fashion Salesperson.
Project Director: Gregory, Margaret; Coffey, Tim
Organization: South Carolina Department of Education, Office of Vocational Education Ninth Floor, Rutledge Building, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-5971.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $4,000.
Descriptors: Behavioral-Objectives. Competency-Based-Education. Curriculum-Guides. Criterion-Referenced-Tests. Fashion-Industry. Sales-Occupations.
Identifiers: State. Proposal.

A curriculum guide for a secondary level fashion salesperson course will be developed, containing the following elements: duty, task, performance objective, performance guide, resources (references, tools, and equipment), learning activities, and evaluation standards. A teacher committee and the curriculum designer, using the Vocational-Technical Education Consortium of States (V-TECS) catalog for fashion salesperson, will develop the guide for field-testing and implementation.

SC8313307.
Vocational-Technical Education Consortium of States (V-TECS) Guide—Hospital Ward Clerk.
Project Director: Hayden, Ellen; James, Barbara
Organization: South Carolina Department of Education, Office of Vocational Education Ninth Floor, Rutledge Building, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-5971.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $3,500.
Descriptors: Behavioral-Objectives. Competency-Based-Education. Criterion-Referenced-Tests. Guides. Health-Occupations. Reference-Materials.
Identifiers: State. Proposal.

A curriculum guide for a secondary level hospital ward clerk course will be developed, containing the following elements: duty, task, performance objective, performance guide, resources (references, tools, and equipment), learning activities, and evaluation standards. A teacher committee and the curriculum designer will develop the guide for field testing and implementation.

SC8313308.
Vocational-Technical Education Consortium of States (V-TECS) Guide—Auto Body Repair.
Project Director: Gregory, Margaret; Bunn, Joe
Organization: South Carolina Department of Education Ninth Floor, Rutledge Building, 1429 Senate Street, Columbia, SC 29201.
Telephone: (803) 758-5971.
Sponsoring Agency: South Carolina State Dept. of Education, Columbia.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $3,800.
Descriptors: Auto-Body-Repairers. Behavioral-Objectives. Competency-Based-Education. Guides. Reference-Materials.
Identifiers: State. Proposal.

A curriculum guide for a secondary level auto body repair course will be developed, containing the following elements: duty, task, performance objective, performance guide, resources (references, tools, and equipment), learning activities, and evaluation standards. A teacher committee and the curriculum designer, using the Vocational-Technical Education Consortium of States (V-TECS) catalog for auto body repair, will develop the guide for field-testing and implementation.

SC8313309.

Conducting Effective Meetings Using Parliamentary Procedure.

Project Director: Hayden, Ellen; And Others

Organization: South Carolina Department of Education Office of Vocational Education, 1429 Senate Street, Ninth Floor, Rutledge Building, Columbia, SC 29201.

Telephone: (803) 758-5971.

Sponsoring Agency: South Carolina State Dept. of Education, Columbia.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $3,000.

Descriptors: Magnetic-Tape-Cassettes. Meetings. Parliamentary-Procedures. Slides.

Identifiers: State. Proposal.

A slide-tape presentation will be developed which consists of basic parliamentary procedure components essential for conducting effective meetings. One slide set with cassette tape for each program will be produced for use by vocational teachers in South Carolina.

Tennessee

Exemplary and Innovative (Sec. 132)

TN8313201.
Youth Service Job Skills Training and Employment Program.
Project Director: Mowery, Donald E.
Organization: Youth Service USA Youth Service Building, 314 South Goodlett, Memphis, TN 38117.
Telephone: (901) 454-4900.
Sponsoring Agency: Tennessee State Dept. of Education, Nashville.
Contract/Control No.: CN: GR-3974.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $46,748.
Descriptors: Agency-Cooperation. Community-Involvement. Disadvantaged-Youth. Job-Skills.
Identifiers: State. Proposal.

Provision of job skills training and employment for disadvantaged youth will be expanded through the use of military in-kind resources in the Memphis-Shelby County area. At least three communities near military facilities will receive assistance in developing support for such a program uniting community resources. Youth Service USA will work cooperatively with existing vocational programs and with Jobs for High School Graduates.

TN8313202.
Unity for a Quality Vocational Education Delivery System for the Metropolitan Nashville Community.
Organization: Metropolitan Nashville Davidson County Public Schools Vocational Education Exemplary Project, Crieve Hall School, 489 Hogan Road, Nashville, TN 37220.
Telephone: (615) 832-2550.
Sponsoring Agency: Tennessee State Dept. of Education, Nashville.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $158,031.
Descriptors: Agency-Cooperation. Articulation-Education. Community-Involvement. Cooperative-Planning. Delivery-Systems. School-Business-Relationship.
Identifiers: State. Proposal.

Critical linkages will be established among all vocational delivery systems in the community, and improved interagency and community involvement/cooperation will be fostered in vocational planning. Project staff will conduct a comprehensive program inventory of delivery systems and a manpower supply and demand analysis involving business and industry. The project targets joint planning between education and industry, community involvement, shared resources, improved communications, up-to-date curriculum, and increased job opportunities. Current programs will be more responsive to student occupational pursuits, and a mechanism will be established for ongoing analysis and revision of vocational programming. An articulation model for the Metro Nashville Public Schools will be delivered.

TN8313203.
Design and Implement an Articulation Program between Secondary and Postsecondary Technical Education.
Project Director: McCarn, Malcolm
Organization: State Technical Institute at Knoxville PO Box 19802, 3435 Division Street, Knoxville, TN 37919.
Telephone: (615) 584-6103.
Sponsoring Agency: Tennessee State Dept. of Education, Nashville.
Contract/Control No.: CN: ID-1612.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $40,000.
Descriptors: Articulation. Institutional-Cooperation.
Identifiers: State. Proposal.

Articulation among the State Technical Institute at Knoxville (STIK), area high schools, and area vocational schools will be improved through implementation of an articulation plan for secondary and postsecondary vocational-technical training institutions, development of an assessment process for high school students to determine their interests and abilities, creation of a Career Resource Center for the STIK campus, establishment of an ongoing academic and career counseling program, and development of admission standards applicable to all technology programs. STIK staff, outside sources, students, and other individuals associated with the project will evaluate the project, and a plan for dissemination of project results will be developed.

TN8313204.
Project VOICE (Vocational Interpretation and Curriculum Enrichment).
Project Director: Hansard, Roger
Organization: Claiborne County Board of Education PO Box 179, Tazewell, TN 37879.
Telephone: (615) 626-5182.
Sponsoring Agency: Tennessee State Dept. of Education, Nashville.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $26,946.
Descriptors: Academic-Achievement. Basic-Skills. Mathematics-Instruction. Student-Evaluation. Systems-Development.
Identifiers: State. Proposal.

In this continuing project, identified basic skill objectives will be refined and incorporated into the vocational curriculum in each occupational area, and a systematic assessment of student achievement of basic skills will be implemented. A supplementary math program will be developed as part of vocational curriculum enrichment to increase basic skills proficiency, which will prepare students for postsecondary education, better adjustment to adult life, and employment based on their aptitudes and interests. Students will also develop decision-making skills. Curriculum evaluation will continue.

TN8313205.
An Innovative Program Designed to Broaden Occupational Aspirations and Opportunities for Youth in a Rural Tennessee Setting.
Project Director: Boone, Thanom
Organization: Fayette County School District Vocational Center, Highway 59 West, PO Box H, Somerville, TN 38068.
Telephone: (901) 465-9838.
Sponsoring Agency: Tennessee State Dept. of Education, Nashville.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $25,000.
Descriptors: Career-Counseling. Disadvantaged-Youth. Economically-Disadvantaged. Educationally-Disadvantaged. Occupational-Information. Prevocational-Education.
Identifiers: State. Proposal.

Occupational materials and approaches will be infused into the activities of the regular curriculum and counseling programs to broaden occupational aspirations and opportunities for academically and socioeconomically handicapped youths, enabling them to set goals, develop positive self-concepts, plan for careers, make decisions, and prepare for the world of work. Students will receive help in assessing their personal characteristics that relate to job performance and will develop job search and application skills. Educators, employers, labor organizations, and parents and guardians will be involved. Inservice activities will be provided for principals, teachers, and parents or guardians to improve strategy.

TN8313206.
Innovations in Career Selection and Prevocational Training for Emotionally Disturbed/Behaviorally Disordered Adolescents in

a Residential School.

Project Director: Adams, Terence W.
Organization: Crockett Academy Foundation 3411 Belmont Boulevard, Nashville, TN 37215.
Telephone: (615) 741-3290.
Sponsoring Agency: Tennessee State Dept. of Education, Nashville.
Contract/Control No.: CN: GR-3975.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $21,300.
Descriptors: Adolescents. Career-Awareness. Emotional-Disturbances. Employer-Attitudes. Employment-Qualifications. Prevocational-Education.
Identifiers: State. Proposal.

In this continuing project, a prevocational and career education curriculum including employer expectations, career awareness, and job entry skills will be developed and implemented to prepare handicapped adolescents to obtain and keep jobs. Both in-class and on-the-job curricula will be developed to teach employer expectations. The series of community speakers and field trips will be improved to increase vocational awareness, and inservice training for teachers will be developed and presented. Dissemination methods for the employer expectation interview form, career awareness curriculum, and employer expectation training curriculum delivered will include professional writings, presentations, and community publicity.

TN8313207.

Academically Able Exploring Vocations in Emerging and New Technologies (AA-EVENT).

Project Director: Bales, Joyce; Seay, Hilton
Organization: Greenville City School System PO Box 30, Greeneville, TN 37743.
Telephone: (615) 638-8138.
Sponsoring Agency: Tennessee State Dept. of Education, Nashville.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $43,950.
Descriptors: Academically-Gifted. Career-Exploration. Ecology. Energy-Occupations. Microcomputers. Technological-Advancement.
Identifiers: State. Proposal.

Academically able students will explore vocations in emerging and new technologies in energy, ecology, and microcomputers, thereby improving the image of vocational education. The cooperation of community businesses and industries will be enlisted in providing exploration opportunities for participants. A four-week workshop will be conducted for staff to explore the new and emerging technologies, and student class activities and on-site learning experiences will be structured. A course syllabus and related materials will be delivered.

TN8313208.

Hancock County Entrepreneurial Training Program (HCETP).

Organization: Hancock County Board of Education Hancock County Courthouse, Main Street, Sneedville, TN 37869.
Telephone: (615) 733-2591.
Sponsoring Agency: Tennessee State Dept. of Education, Nashville.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $20,000.
Descriptors: Disadvantaged-Youth. Economically-Disadvantaged. Entrepreneurship. Program-Development.
Identifiers: State. Proposal.

Occupational aspirations and opportunities for socially and economically handicapped youth will be broadened in the HCETP, designed to teach students how a business is established and operated. A corporation will be formed, and products will be produced and sold. Industry cooperation will be enlisted in establishing the program, and specific plans will be written for inservice and training sessions. A management and evaluation process and maintenance system will be established for collection of data for program evaluation. Information about purposes, programs, and progress will be disseminated.

TN8313209.

Implementation of Pilot Entrepreneurship Programs for High School and Adult Students in the Memphis City Schools.

Project Director: Morris, Herb
Organization: Memphis City Schools 2597 Avery Avenue, Memphis, TN 38112.
Telephone: (901) 454-5295.
Sponsoring Agency: Tennessee State Dept. of Education, Nashville.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $15,000.
Descriptors: Distributive-Education. Entrepreneurship. Instructional-Development. Marketing. Pilot-Projects.
Identifiers: State. Proposal.

Program formats and instructional procedures will be developed through research, consultants, an advisory committee, local resources, and a teacher workshop for teaching high school and adult entrepreneurship in marketing and distributive education and in trade and industrial education. An urban high school pilot marketing and distributive education entrepreneurship program, two pilot mini-entrepreneurship programs for urban high school trade and industrial students (one in a comprehensive high school and one in a vocational-technical center), and three adult entrepreneurship programs in vocational-technical centers will be implemented. Classroom teachers will develop the instructional strategies and lesson plans.

TN8313210.

Gifted Instructional Vocational Education (GIVE) Program.

Project Director: Freeland, Betty
Organization: Perry County Schools PO Box J, Linden, TN 37096.
Telephone: (615) 589-2127.
Sponsoring Agency: Tennessee State Dept. of Education, Nashville.
Funding Period: Start Date 16 Aug 82; End Date 31 May 83.
Fiscal Year Funding: $15,646.
Descriptors: Academically-Gifted. Career-Exploration. Junior-High-School-Students.
Identifiers: State. Proposal.

In a career exploration program of classroom activities, academically gifted junior high students will develop their creative abilities and talents and expand their ability to learn to work more effectively, analytically, creatively, and independently. Additionally, they will broaden their vocational occupational aspirations, become aware of the importance of exploring secondary level education opportunities, and acquire a greater understanding of educational opportunities in higher education in vocational fields. Units of instruction will be developed in the art and science of questioning, observation and information gathering skills, creative thinking, problem solving, power technology, media exploration, computer literacy, prevocational guidance, career exploration, photography and other graphic arts, textiles and crafts, typewriting, and drafting.

TN8313211.

Project SSAVE: Special Student Access to Vocational Education.

Project Director: Smith, Harry T.; Folio, Rhonda
Organization: Tennessee Technological University PO Box 5185, Cookeville, TN 38501.
Telephone: (615) 528-3553.
Sponsoring Agency: Tennessee State Dept. of Education, Nashville.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $38,000.
Descriptors: Information-Dissemination. Inservice-Teacher-Education. Special-Education-Teachers. Teaching-Guides. Vocational-Education-Teachers.
Identifiers: State. Proposal.

In this continuation project, an inservice training guide and materials will be published for use by educators with vocational and special education teachers and administrators involved in mainstreaming special needs students into regular vocational settings. A workshop will be conducted to familiarize Tennessee State Department personnel with the materials; three training sessions will be conducted to teach teacher trainers to use the materials. Thirty copies will be disseminated to state department personnel and universities that offer vocational education programs. Information about inservice strategies and materials will be disseminated through presentation at national and state meetings and through manuscripts and journal articles. A final report also will be delivered.

TN8313212.

Vocational Support Services Project.

Project Director: Miller, Dennis

Organization: Tri-County Vocational School Clay County Board of Education, PO Box 214, Red Boiling Springs, TN 37150.

Telephone: (615) 699-2224.

Sponsoring Agency: Tennessee State Dept. of Education, Nashville.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $30,000.

Descriptors: Career-Counseling. Employment-Opportunities. Entry-Workers. Labor-Needs. Occupational-Information. Resource-Materials.

Identifiers: State. Proposal.

A resource library of information on local businesses will be established in each of the five high schools so that students will be more informed about area employment opportunities, hiring practices, and specific skills required for entry-level jobs. Information will be compiled in a notebook. Some businesses also will be videotaped to show special needs of employers or new technologies. A unit of instruction will be developed to prepare students in employability skills needed to enter and succeed in the local labor market. An inservice workshop will be conducted to make counselors knowledgeable about vocational courses at the vocational school and at the high schools; notebooks of course outlines will be made available. A workshop will be given to provide vocational education teachers with skills in communicating their needs and accomplishments to the business community and others, and each teacher will receive a packet of public relations materials. A handbook of project activities also will be delivered.

TN8313213.

Articulation Project for Engineering Technology Career Awareness.

Project Director: Finch, Janet

Organization: Nashville State Technical Institute 120 White Bridge Road, Nashville, TN 37209.

Telephone: (615) 741-1221.

Sponsoring Agency: Tennessee State Dept. of Education, Nashville.

Contract/Control No.: CN: ID1728.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $39,990.

Descriptors: Articulation-Education. Engineering-Technology. High-School-Students. Publicity. Technical-Education. Technical-Institutions. Technology.

Identifiers: State. Proposal. *High Technology.

Nashville Tech will inform high school students of training opportunities in the engineering technologies, stress the importance of high tech training, and involve industry representatives in the articulation program. Orientation sessions will be held to demonstrate engineering technology training to students, and a workshop will be conducted for teachers and counselors. A regularly published newsletter will inform students, teachers, counselors, and others about education in high technology. This program will increase the number of qualified technicians available to industry in Tennessee and will improve communications between secondary and postsecondary institutions and business and industry.

TN8313214.

Vocational-Technical Information Program (V-TIP).

Project Director: Essin, Sally

Organization: Tri-Cities State Technical Institute PO Box 246, Blountville, TN 37617.

Telephone: (615) 323-3193.

Sponsoring Agency: Tennessee State Dept. of Education, Nashville.

Contract/Control No.: CN: ID1726.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $20,000.

Descriptors: Audiovisual-Aids. Basic-Skills. Program-Descriptions. Publicity. Technical-Education. Technical-Institutes.

Identifiers: State. Proposal. *High Technology.

An audiovisual information program describing Tri-Cities State Technical Institute's (TCSTI) mission, role, scope, and relationship to business and industry will be produced. Additional audiovisual programs produced for each of TCSTI's technical programs will outline instruction, career opportunities, outlook, and possible career ladders. This model program will disseminate information about TCSTI to high schools, potential students, and to business and industry. Information about new developments in high technology will be transposed into usable form. Selected secondary vocational instructors will be paid to meet and work with TCSTI instructors to identify basic skill competencies for each related program.

Texas

Research (Sec. 131)

TX8313101.

Research—Vocational Education for the Handicapped: A Curriculum Development Study to Provide Entry Level Skills for Handicapped Students.

Project Director: Garcia, Gonzalo; And Others

Organization: Texas A&M University College of Education, EDCT Building, Texas A&M University, College Station, TX 77843.

Telephone: (713) 845-5460.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420002.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $28,516.

Descriptors: Agricultural-Education. Building-Trades. Home-Economics. Prerequisites.

Identifiers: State. Proposal. Mail Surveys.

Skills or competencies needed by students to enter vocational programs in agriculture, home economics, and building trades will be determined through surveys of a sample of exemplary teachers, further validated by vocational teachers in the Bryan Independent School District, then delineated. Curriculum then will be developed that will address the basic skills for the three programs; curriculum also will be developed that will address unique skills needed by handicapped students. An advisory committee will review data collection procedures and suggest curriculum format and style. Three survey instruments will be prepared, one for each program. The curriculum will be pilot tested, evaluated, and revised. A list of competencies and a curriculum package will be produced for each identified program area. Teacher materials in the packages will include objectives, motivation ideas, references, outlines, teaching and learning activities, and suggested evaluation methods. Student materials will include references on audio cassette tape and written references; portions will use the Apple microcomputer as an instructional tool. Additionally, a list of recommendations for effective use of the research results will be delivered, as well as quarterly reports and 100 copies of a final report.

TX8313102.

Multicultural/Bilingual Preparation for Industrial Arts Teachers.

Project Director: Baker, G. E.

Organization: Texas A & M University Industrial Education Department, College Station, TX 77843.

Telephone: (713) 845-4078.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420003.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $19,991.

Descriptors: Cross-Cultural-Training. Programed-Instructional-Materials.

Identifiers: State. Proposal.

Problems of exploratory industrial arts teachers when working in multicultural or bilingual settings will be identified, and strategies and guidelines will be developed for originating and implementing language- or culture-sensitive materials. Literature will be reviewed and study questions developed as guides for orientation workshops to be convened with recognized leaders, teachers, supervisors, and state officials, who will identify content and methods. Self-contained learning materials adaptable to both preservice and inservice teachers then will be prepared to help teachers learn to function effectively in multicultural or bilingual settings. Dissemination processes for the strategies and materials will be identified, and a final report will be delivered.

TX8313103.

Study of the Effectiveness of Secondary Consumer and Homemaking Instruction.

Project Director: Bell, Camille G.; Glosson, Linda R.

Organization: Texas Tech University Department of Home Economics Education, Home Economics Instructional Materials Center, College of Home Economics, Box 4170, Lubbock, TX 79409.

Telephone: (806) 742-3037 or 3028.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420005.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $29,993.

Descriptors: Consumer-Education. Curriculum-Evaluation. Graduate-Surveys. Home-Economics.

Identifiers: State. Proposal.

A stratified random sample of approximately 1,800 former students will be surveyed by mail and telephone to determine the extent to which they perceive problem-solving and decision-making knowledge and skills related to the courses, the usefulness of the knowledge and skills gained in the courses for dealing with real problem-solving situations, and the effectiveness of curriculum and instruction. An advisory committee and area facilitators will be used. Implications for curriculum and instruction change will be identified, and quarterly and final reports will be delivered.

TX8313104.

Researching Competencies for Special Education Educational Aides (Teacher Aides) Vocational Training.

Project Director: Culbertson, Elizabeth

Organization: San Antonio College 1300 San Pedro, San Antonio, TX 78784.

Telephone: (512) 733-2410.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420001.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $29,199.

Descriptors: Access-To-Education. Child-Caregivers. Competence. Competency-Based-Education. Disabilities. Publicity. Special-Education. Teacher-Aides.

Identifiers: State. Proposal.

A technical advisory committee composed of three postsecondary teacher aide-special child program personnel, one experienced special education paraprofessional, and one special education director/supervisor will be appointed. Competencies required by aides and other caregivers serving handicapped children and youth will be identified using the Delphi technique and displayed according to the DACUM format. Also, a system will be developed for assessing and recognizing attainment of the established competencies. A competency list then will be field-tested, the viability of the assessment and recognition system will be established, and both will be included in existing child care vocational education programs. A manual for developing or redesigning competency-based postsecondary vocational education programs for special education aides also will be produced. Finally, three videotape and two audiotape announcements about accessibility of vocational training programs to handicapped individuals will be produced.

Exemplary and Innovative (Sec. 132)

TX8313201.

Project BASICS (Building Attitudes and Skills for Improved Career Success).

Project Director: Pliler, George E.; Coffey, James L.

Organization: Education Service Center Region XV PO Box 5199, 112 North Irene, San Angelo, TX 76902.

Telephone: (915) 658-6571.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420016.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $30,902.

Descriptors: Career-Guidance. Job-Skills. Minicourses. Regional-Programs. Staff-Development. Technical-Assistance.

Identifiers: State. Proposal.

Region XV staff will present a series of one-day minicourses to teach employability skills primarily to seniors, juniors, or eighth grade students. Students from at least thirty small rural schools will participate. Also, vocational guidance technical assistance will be provided to schools and students, the Texas Education Agency, and appropriate professional organizations in response to documented requests. These workshops also will further dissemination of Project BASICS. Finally, other regional education service centers will receive training for their staff and constituent school staff in the operation and use of employability skills training materials in Project TEEN and Project BEST. Participants will be provided with activity booklets containing detailed descriptors for each activity in Project TEEN, as well as information needed to conduct Project BEST. Ten copies of the activities booklet will be provided to the research coordinating unit.

TX8313202.

Innovative Associate Degree Nursing Program—Remote Area.

Organization: Howard County Junior College District 1001 Birdwell Lane, Big Spring, TX 79720.

Telephone: (915) 267-6311.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420015.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $60,000.

Descriptors: Associate-Degrees. Intercollegiate-Cooperation. Nursing-Education. Program-Development. Teleconferencing. Videotape-Cassettes.

Identifiers: State. Proposal.

In providing the associate degree program that will produce graduate nurses to alleviate the nursing shortage in Del Rio and surrounding rural communities, project staff will identify factors in the motivation and success of students participating in an extended campus program and the potential for communication problems between the main and extended campuses, provide students with adequate clinical experiences through use of appropriate community health care agencies, and examine the importance of negotiation and compromise and alternative plans between the two campuses. The mechanism developed for providing the basic nursing courses simultaneously on the home campus and the Del Rio site will involve filming major lectures at the main campus. After viewing the lectures, Del Rio students will be able to communicate directly with main campus faculty through a teleconference system available during specified hours. Weekly faculty conferences also will be scheduled via the teleconference system. Instructors in Del Rio will be provided with outlines and lecture content of all supplemental and major lectures. Students on both campuses will receive identical lecture outlines, simulated and clinical laboratory experiences, tests, and textbooks; part of the psychiatric affiliation for Del Rio students will be on the main campus.

TX8313203.

An Analysis of Selected Technology Curriculum Materials for Exploratory Industrial Arts Programs.

Project Director: Martin, G. Eugene

Organization: Southwest Texas State University Department of Technology, San Marcos, TX 78666.

Telephone: (512) 245-2137.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420013.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $42,994.

Descriptors: Career-Exploration. Industrial-Arts. Instructional-Materials. Summative-Evaluation.

Identifiers: State. Proposal. Visual Communications.

Several outcomes will result from this analysis. At least ten pilot programs (five in visual communications technology and five in energy/power technology) will be conducted and the results submitted to the Texas Education Agency, and at least three newsletters will be printed and distributed to every junior high school in Texas that has an industrial arts program. Preliminary workshops for the two technology curriculum groups and additional workshops during the testing period will be conducted to determine and clarify the necessary equipment, facilities, and curriculum materials. A communications link will be maintained among pilot program teachers, the Texas Education Agency, and the Center for Occupational Curriculum Development. Information for program modification to incorporate the revised, exploratory industrial arts curriculum will be provided, and a system of evaluating the curriculum materials will be developed. Results of the evaluation and a comprehensive final report will be delivered to the Texas Education Agency.

TX8313204.

Technician Program for Micro/Minicomputers in Small Businesses and Industries.

Organization: Ranger Junior College College Circle, Ranger, TX 76470.

Telephone: (817) 647-3234.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420012.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $20,000.

Descriptors: Equipment-Maintenance. Guides. Instructional-Materials. Material-Development. Microcomputers. Minicomputers. Program-Development.

Identifiers: State. Proposal.

The micro/minicomputer training program will be expanded to include instruction in the repair and maintenance of micro/minicomputers and their modification to small businesses and industries in the Graham area. An instructional system and materials will be developed. A series of adult vocational short courses will be designed and offered for students recruited from local and area businesses and industries. A guide for implementing such a program in a rural, isolated area will be developed and will include a project summary; a description of the training program; a list of the types of small businesses and industries in rural areas served by the project; a description of the instructional delivery system, including strengths and weaknesses; a project evaluation; and a copy of the course outline. The guide will be disseminated to all interested community or junior college personnel in Texas.

TX8313205.

Cooperative Vocational Education: An Alternative Delivery System for Small Schools.

Project Director: Peace, Betty

Organization: North Texas State University College of Education, PO Box 13857, NT Station, Denton, TX 76203.

Telephone: (817) 788-2710.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420011.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $35,896.

Descriptors: Cooperative-Education. Delivery-Systems. Small-Schools. Systems-Development.

Identifiers: State. Proposal.

A model of cooperative vocational education to serve as an alternative vocational education delivery system for small schools in Texas will be developed, then implemented in Van Alstyne Independent School District. The feasibility of installing the model in other small schools will be assessed, and teacher qualifications and certification requirements will be determined, as well as variables necessary for implementation. The model will be evaluated. Quarterly and final reports will be delivered.

TX8313206.

Consumer Education—Microcomputer Courseware Development and Implementation in the Homemaking Classroom.

Project Director: Estes, Dwain M.

Organization: Education Service Center, Region 20 1314 Hines Avenue, San Antonio, TX 78208.

Telephone: (512) 271-7611.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420009.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $18,444.

Descriptors: Computer-Assisted-Instruction. Computer-Programs. Consumer-Education. Home-Economics. Instructional-Materials. Microcomputers. Programed-Instructional-Materials.

Identifiers: State. Proposal.

A model consumer education course that uses a TRS-80 microcomputer will be developed. It will include an instructional module (including multiple diskettes) and a self-instructional package for teachers (including written instructions, program documentation, sample lessons). Content and format will be specified, the instructional sequence will be flow-charted, and the computer program will be devised. Products will be field-tested, revised, and disseminated to the Texas Education Agency, regional service centers, and area homemaking consultants. A final report also will be delivered.

Curriculum Development (Sec. 133)

TX8313301.

Operation of a Center for the Development of Home Economics and Postsecondary Child Development Instructional Materials.

Project Director: Glosson, Linda R.

Organization: Texas Tech University, Home Economics Instructional Materials Center College of Home Economics, Box 4067, Lubbock, TX 79409.

Telephone: (806) 742-3028.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420022.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $340,811.

Descriptors: Child-Development. Competency-Based-Education. Consumer-Education. Home-Economics. Home-Furnishings. Home-Management. Instructional-Materials. Laboratory-Manuals. Material-Development. Teaching-Guides.

Identifiers: State. Proposal.

The center will be operated to develop, print, and disseminate instructional materials. Guides will be revised in 'Home Management' and 'Housing and Home Furnishings,' and materials in these areas will be developed for a seventh and eighth grade consumer and homemaking education courses. A single topic student booklet will be developed on 'Managing a Home and a Job,' and a newsletter will be published quarterly to keep home economics professionals abreast of information, trends, issues, curriculum, research, and teaching strategies. Two student laboratory manuals entitled 'Behavior Management of Young Children' and 'Administration of Day Care Centers' will be published, featuring performance-based learning experiences to be conducted in a campus child care laboratory. The accompanying instructor's guides developed will include suggestions for instructional strategies and teaching aids. An advisory committee will be used, and materials developed will be based on current child development studies and previous job analyses. Business and industry personnel, teachers, homemaking education and child development staff, and subject matter specialists will participate in material development, which will include literature reviews, field reviews or field tests, and evaluation. The center will expand dissemination of newly developed or revised materials nationwide through exhibits at state and national meetings and by distribution of brochures, assist with inservice education of teachers on use of center-developed materials, and acquire and use information and input from a variety of sources regarding changes and trends. Quarterly and final reports also will be delivered.

TX8313302.

Curriculum Development for Secondary and Postsecondary Programs.

Project Director: Robertson, Jack E.

Organization: Center for Occupational Curriculum Development, The University of Texas at Austin PO Box 7218, Austin, TX 78712.

Telephone: (512) 471-7716.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420024.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $604,212.

Descriptors: Competency-Based-Education. Individualized-Instruction. Instructional-Materials. Laboratory-Manuals. Material-Development. Pacing. Profiles. Teaching-Guides. Videotape-Recordings.

Identifiers: State. Proposal.

Laboratory manuals and other competency-based materials that are individualized, self-paced, and self-contained will be developed, field-tested, and disseminated for students in postsecondary electromechanical technology, instrumentation technology, respiratory therapy, and cosmetology. Preliminary research will include identification and assessment of current skills requirements. Accompanying instructor's guides also will be produced. Advisory committees with representatives from education and industry will be used, and liaisons will be established with business and industry. A series of videotapes covering basic management competencies will be produced, and accompanying student study packets will be developed for postsecondary management programs. Content will be validated through field tests of a representative sample of the individualized instruction packages. In vocational industrial education, student competency profiles will be produced for automobile upholsterer, automotive air conditioning mechanic, brake and wheel alignment mechanic, building maintenance mechanic, electric motor repairer, meat cutter, motorcycle mechanic, optician, photographer, and painter and paperhanger. Self-contained materials will be produced for office machine repair, instrumentation, solar heating and cooling systems, hydraulics, auto body and fender repair, auto power train, cabinetmaking, commercial art, drafting, and architecture. Industrial arts curriculum materials will be produced for visual communications technology and production technology. Vocational health occupations curriculum products will be competency-based, individualized study guides for geriatric nursing aides and for nonlicensed radiologic aides to radiologic technicians. Marketing and distributive education materials will include new publications for motel and hotel, travel marketing, visual merchandising, and wholesale marketing; updated and revised publications will be produced for basic retail credit, food service, fashion fundamentals, appliance marketing, home entertainment, and sporting goods.

TX8313303.

Vocational Instructional Services in Vocational Industrial Education and Vocational Agriculture.

Project Director: Page, Foy

Organization: Texas A & M University Agricultural Education, FE Box 182, College Station, TX 77843.

Telephone: (713) 845-6601.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420017.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $503,279.

Descriptors: Agricultural-Education. Building-Trades. Competency-Based-Education. Course-Organization. Electronics. Industrial-Education. Inservice-Teacher-Education. Instructional-Materials. Material-Development. Profiles. Summative-Evaluation.

Identifiers: State. Proposal.

Following determination of specific needs, curriculum materials will be developed, then evaluated, revised, and disseminated. Student competency profiles will be developed for auto mechanics, auto body repairer, bricklayer, carpenter, electrician, plumber, machinist, welder, printer, and commercial artist. Major instructional blocks in building trades will be developed for framing, foundations, and roofing. A complete course of study will be developed for vocational electronics, including a course outline, lesson plans, job sheets, task sheets, instructional transparencies, student workbook, student competency profiles, and instructor guides. The industrial electronics course will be revised and updated. Additionally, teacher inservice education will be provided to teach proper use of the instructional materials, which will support sex fairness, equal access, and nontraditional education.

TX8313304.

Curriculum Development for Vocational Industrial Education for Special Needs Students, Postsecondary Office Occupations, and Vocational Office Education.

Project Director: Jones, Webb

Organization: Occupational Curriculum Laboratory East Texas State University, Commerce, TX 75428.

Telephone: (214) 886-5610.

Sponsoring Agency: Texas Education Agency, Austin.

Contract/Control No.: CN: 33420019.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $245,121.

Descriptors: Business-Education. Competency-Based-Education. Industrial-Education. Learning-Modules. Material-Development. Office-Occupations-Education.

Identifiers: State. Proposal.

Project staff will develop and disseminate (1) four audiovisual instructional packages (including seven slide presentations and supportive teacher- and student-written materials) for use with handicapped students in CVAE and VEH general mechanical repair and small engine repair programs; (2) twelve student competency profiles (eight pertaining to cafeteria occupations and four pertaining to fast food occupations) for use with disadvantaged students in CVAE cooperative part-time training; and (3) four individualized, self-contained student study guides and accompanying competency profiles and coordinator's guide on welder's helper, production lathe operator, milling machine operator, and drill press operator for use with disadvantaged students in CVAE cooperative part-time training. Teacher inservice training will be provided on organization and proper use of the instructional materials. Also, six competency-based learning activity packages, each consisting of a slide-tape presentation, an instructor's guide, and a student activity packet, will be produced for postsecondary office management. Finally, competency profiles will be produced and packaged for six occupational areas, and core listings of instructional units will be produced for ten occupational areas in vocational office education. Materials will be available on a cost-recovery basis.

Utah

Curriculum Development (Sec. 133)

UT8313301.

Teaching Basic Skills in Vocational Education Program for Jordan School District.

Organization: Jordan School District 9361 South Fourth East, Sandy, UT 84070.

Telephone: (801) 566-1521.

Sponsoring Agency: YEX90000.

Contract/Control No.: CN: 30056; PN: 83 0577.

Funding Period: Start Date 01 Oct 82; End Date 30 Jun 83.

Fiscal Year Funding: $6,990.

Descriptors: Academic-Achievement. Basic-Skills. Pilot-Projects. Program-Evaluation. Teacher-Attitudes. Vocational-Education-Teachers.

Identifiers: State. Proposal.

A pilot program will be developed to evaluate implementation of the Basic Skills through Vocational Education project. A pilot test population will be identified (vocational education teachers from two high schools) and trained. Selected students will be pre- and post-tested on achievement of basic skills. Teacher attitudes toward project activities will be evaluated. Recommendations for statewide dissemination will be made and a final report delivered.

Virginia

Research (Sec. 131)

VA8313101.

Development of Competency-based Instructional Resource Guides for Selected Trade and Industrial Program Areas.

Project Director: Lear, George.

Organization: George Mason University 3400 Robinson Hall, Fairfax, VA 22030.

Sponsoring Agency: Virginia State Dept. of Education, Richmond.

Contract/Control No.: CN: VA-83-C-131-1-AD-002.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $31,000.

Descriptors: Articulation-Education. Competency-Based-Education. Resource-Materials. Teaching-Guides. Trade-And-Industrial-Education.

Identifiers: State. Proposal. Upholstery.

Guides will be purchased and/or modified where possible, or developed in the following areas: appliance repair, barbering, cabinetmaking, carpentry cabinetmaking, general maintenance mechanic, heavy duty equipment mechanics, industrial maintenance mechanics, maintenance and repair, metal trades, mine machinery repair, plumbing, printing graphic arts, radio production, sewing-commercial, sheet metal mechanics, tailoring, upholstery. New guides will be field-tested, evaluated, and revised. Progress reports and draft copies of the guides will be delivered and student laboratory contract formats suggested for each area. These materials will assist in the articulation between occupational programs and those who receive the students for employment or further training.

VA8313102.

A Study of Factors That Enhance or Impede the Delivery of Vocational Services to Youth and Adults in Virginia (Continuation).

Project Director: Lynch, Richard

Organization: Virginia Polytechnic Institute and State University 213 Lane Hall, Blacksburg, VA 24061-3299.

Telephone: (703) 961-5191.

Sponsoring Agency: Virginia State Dept. of Education, Richmond.

Contract/Control No.: CN: VA-81-C-131-2-DE-001.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $10,000.

Descriptors: Data-Analysis. Delivery-Systems. Employment-Projections. Influences. Labor-Market. Marketing.

Identifiers: State. Proposal.

Labor market data will be analyzed and business persons, educators, and students interviewed. Employment opportunities for marketing graduates in the 1980s will be projected. A report of study results will be delivered along with a model for designing programs and delivery systems for vocational education that are responsive to student and community needs.

VA8313103.

Secondary Health Occupations Health Assistant/Respiratory Therapy Aide Program.

Project Director: Seaton, Jennie D.

Organization: Virginia Association of Allied Health Professionals Box 526, MCV Station, Richmond, VA 23298.

Telephone: (804) 231-9011.

Sponsoring Agency: Virginia State Dept. of Education, Richmond.

Contract/Control No.: CN: VA-83-C-131-2-HO-001.

Funding Period: Start Date 01 Sep 82; End Date 31 May 84.

Fiscal Year Funding: $11,592.

Descriptors: Allied-Health-Occupations-Education. Competency-Based-Education. Core-Curriculum. Evaluation-Methods. Inhalation-Therapists. Program-Implementation.

Identifiers: State. Proposal. *Health Aides.

A competency-based secondary level health assistant program will be developed, including a track for the respiratory therapy aide. A core curriculum for a health assistant program will be identified using V-TECS, out-of-state curriculum guides, and technical and teacher committee input. Program establishment and evaluation guidelines will be developed, and both the program and the guidelines will be implemented and field-tested. This project will encourage quality management of the secondary vocational health occupations program and will encourage articulation with postsecondary programs.

VA8313104.

Vocational Education Reporting System (VERS) Management Project.

Project Director: Elson, Don

Organization: Virginia Polytechnic Institute and State University 242 Lane Hall, Blacksburg, VA 24061-3299.

Telephone: (703) 961-5237.

Sponsoring Agency: Virginia State Dept. of Education, Richmond.

Contract/Control No.: CN: VA-83-C-131-1-AD-003.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $56,970.

Descriptors: Data-Collection. Guides. Inservice-Education. Management-Systems. Workshops.

Identifiers: State. Proposal. *Vocational Education Reporting System.

The Vocational Education Reporting System (VERS) data collection forms and user's guide will be revised. This will provide the means to collect information necessary for planning vocational education programs in Virginia. Inservice sessions for local and state personnel involved in the data collection and analysis will be provided. Workshops will be conducted for VERS coordinators and vocational education instructors to reduce reporting errors at data collection sources.

VA8313105.

Coordination of the Implementation of Competency-based Education in Secondary Vocational Education Programs in Virginia.

Project Director: Horne, Ralph

Organization: Virginia Polytechnic Institute and State University 355 Lane Hall, Blacksburg, VA 24061-3299.

Telephone: (703) 961-6009.

Sponsoring Agency: Virginia State Dept. of Education, Richmond.

Contract/Control No.: CN: VA-83-C-131-2-AD-001.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 84.

Fiscal Year Funding: $55,000.

Descriptors: Articulation-Education. Competency-Based-Education. Evaluation-Methods. Inservice-Education. Inservice-Teacher-Education. Program-Implementation.

Identifiers: State. Proposal.

Instructional materials developed by competency-based education (CBE) projects from 1979-82 will be implemented at the local level. Inservice, consulting, and inservice materials needs will be identified through a statewide survey. Inservice materials will be developed, pilot tested, and introduced to staff during training sessions. Evaluation instruments and procedures for evaluating CBE implementation will be developed, and continual evaluation will be conducted. Long-range management and planning systems will be recommended. Articulation between secondary and postsecondary programs will be facilitated through this implementation.

VA8313106.

Instructional Resource Guides for Competency-based Education in

Selected Industrial Arts Areas.
Project Director: Phillips, Cecil G., Jr.
Organization: Thomas Nelson Community College Engineering Technologies Division, PO Box 9407, Hampton, VA 23670.
Telephone: (804) 825-2901.
Sponsoring Agency: Virginia State Dept. of Education, Richmond.
Contract/Control No.: CN: VA-83-C-131-1-AD-004.
Funding Period: Start Date 01 Jul 82; End Date 07 Jan 83.
Fiscal Year Funding: $7,047.
Descriptors: Architectural-Drafting. Competency-Based-Education. Curriculum-Guides. Engineering-Drawing. Industrial-Arts. Technical-Illustration.
Identifiers: State. Proposal.

A program of activities and procedures (such as orientations and staff development) will be developed to provide for competency-based, articulated programs in the industrial arts program area of basic technical drawing, engineering drawing, and architectural drawing. The curriculum will be developed from a common core of competencies, including a set of performance objectives, criterion-referenced measures, and curriculum guides in each of the three areas. The instructional resource guides will be field-tested in participating school divisions. The guides will assist individual teachers in implementing competency-based industrial arts programs.

Exemplary and Innovative (Sec. 132)

VA8313201.
Arlington Competency-based Education Program (Continuation).
Project Director: Johnson, Ralph W.
Organization: Gloucester County School Board Box 770, Gloucester, VA 23061.
Telephone: (804) 693-5300.
Sponsoring Agency: Virginia State Dept. of Education, Richmond.
Contract/Control No.: CN: VA-80-C-132-3-AD-001A.
Funding Period: Start Date 01 Jul 82; End Date 30 May 83.
Fiscal Year Funding: $29,000.
Descriptors: Competency-Based-Education. Material-Development. Program-Implementation. Resource-Materials. Teaching-Guides.
Identifiers: State. Proposal.

Implementation of the competency-based education program will be continued with development of 22 instructional resource guides covering all program areas. Approximately 12,000 copies will be produced for teachers and supervisors.

VA8313202.
Implementation of Competency-based Education in Five Secondary Apparel and Accessories Marketing Programs.
Project Director: Ely, Vivien K.
Organization: Virginia Commonwealth University School of Education, 1015 West Main Street, Richmond, VA 23284.
Telephone: (804) 257-1332.
Sponsoring Agency: Virginia State Dept. of Education, Richmond.
Contract/Control No.: CN: VA-82-C-132-2-AD-001F.
Funding Period: Start Date 01 Jul 82; End Date 31 May 83.
Fiscal Year Funding: $2,499.
Descriptors: Articulation-Education. Competency-Based-Education. Distributive-Education. Fashion-Industry. Marketing. Teaching-Guides.
Identifiers: State. Proposal.

A model will be developed, field-tested, implemented, and evaluated for the apparel and accessories marketing competency-based education program in the senior high schools of five school divisions. The program will be coordinated and articulated among and between the junior high schools and senior high schools of the divisions. In addition to a list of tasks for levels 2 and 3, a teacher's resource guide will be developed for level 2, including the following: teaching outline, performance objectives, criterion-referenced measures, instructional activities, audiovisual and text references, classroom management system, and a system to record student achievement in performance terms. A guide will be used for evaluating the instructional products with secondary school distributive education students and teacher-coordinators. An interest form will be used to collect evaluation data from a sample of the junior and senior high school teachers, students, administrators, and guidance counselors exposed to the coordination and articulation process. A course evaluation form will be used to assess the achievement of intended student learning outcomes. A camera-ready copy of the resource guide and a final report will be submitted to the department of education.

VA8313203.
Arlington Competency-based Education Program (Continuation).
Project Director: Witten, Mildred A.; Young, William P.
Organization: Arlington County Public Schools 2700 South Lang Street, Arlington, VA 22206.
Telephone: (703) 684-9000.
Sponsoring Agency: Virginia State Dept. of Education, Richmond.
Contract/Control No.: CN: VA-80-C-132-3-AD-001A.
Funding Period: Start Date 01 Jul 82; End Date 30 May 83.
Fiscal Year Funding: $29,000.
Descriptors: Competency-Based-Education. Guides. Resource-Materials.
Identifiers: State. Proposal.

Resource guides assigned to the Arlington schools will be completed. The project editor and teacher-writer teams will prepare the following guides for consultants' review: office practice, reprographics, shorthand, emergency medical technology, practical nursing, clothing management, woods technology, commercial foods, horticulture, business data processing, child development, family living, consumer and homemaking, electricity/electronics, graphics communications, auto body repair, air conditioning and refrigeration, commercial arts, photography, masonry, and TV production. Each guide will contain sections on competency-based education introduction, task competency analysis, programs and courses, classroom management systems, recording systems, and information and resources.

Curriculum Development (Sec. 133)

VA8313301.
Development of Competency-based Curriculum Materials for Distributive Education General and Specialized Marketing Courses.
Project Director: Ely, Vivien
Organization: Virginia Commonwealth University 1015 West Main Street, Richmond, VA 23284.
Telephone: (804) 257-1332.
Sponsoring Agency: Virginia State Dept. of Education, Richmond.
Contract/Control No.: CN: VA-83-C-133-1-DE-002.
Funding Period: Start Date 01 Jul 82; End Date 31 May 83.
Fiscal Year Funding: $22,496.
Descriptors: Competency-Based-Education. Criterion-Referenced-Tests. Distributive-Education. Marketing. Material-Development. Resource-Materials. Task-Analysis. Teaching-Guides. Teaching-Methods.
Identifiers: State. Proposal.

Teacher's resource guides will be developed for the following secondary level marketing courses: hotel/motel marketing, communications, economics, employment and advancement, human relations, mathematics, planning, personal selling, physical distribution, sales promotion, self-development, food, food service, financial services, and apparel and accessories. Each guide will contain sequenced tasks, performance objectives, criterion referenced measures, teaching outlines, learning activities, and graphics. Task analysis data will be obtained from Interstate Distributive Education Curriculum Consortium. The guides will be field-tested and disseminated and quarterly, semiannual, and annual reports delivered.

VA8313302.
Development of Competency-based Learning Activities for

Implementing Occupational Experiences Methodology in Distributive Education General and Specialized Marketing Courses.

Project Director: Ely, Vivien

Organization: Virginia Commonwealth University 1015 West Main Street, Richmond, VA 23284.

Telephone: (804) 257-1332.

Sponsoring Agency: Virginia State Dept. of Education, Richmond.

Contract/Control No.: CN: VA-83-C-133-1-DE-001.

Funding Period: Start Date 01 Jul 82; End Date 31 May 83.

Fiscal Year Funding: $4,994.

Descriptors: Competency-Based-Education. Distributive-Education. Instructional-Materials. Learning-Activities. Marketing. Material-Development. Resource-Materials. Teacher-Workshops. Teaching-Guides.

Identifiers: State. Proposal.

A three and one-half day writer's workshop will be conducted to develop the activities. Teachers will be selected to participate in the workshop; business persons will be selected as advisors. Learning activities developed will contain criterion-referenced tests and will be included in the teacher resource guides for competency-based education. Quarterly, semiannual, and annual reports will be delivered.

VA8313303.

Employment Skills Unit of EFE/WECEP Instructional Materials Manual.

Project Director: Miller, Malvern

Organization: Old Dominion University Norfolk, VA 23508.

Telephone: (804) 440-3307.

Sponsoring Agency: Virginia State Dept. of Education, Richmond.

Contract/Control No.: CN: VA-83-C-133-1-SP-001.

Funding Period: Start Date 15 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $12,500.

Descriptors: Behavioral-Objectives. Competency-Based-Education. Employment-Qualifications. Instructional-Materials. Job-Skills. Teaching-Guides.

Identifiers: State. Proposal.

Employment skills performance and enabling objectives identified by the special programs curriculum committee will be reviewed; performance-based instructional materials that support these objectives will be located and surveyed for their relevancy in teaching the special needs student. Criterion-referenced tests will be developed and supporting reference materials will be identified. The materials will be assembled into a draft 'employment skills' unit and submitted for review. This component of the Education for Employment/Work Experience Cooperative Education Program (EFE/WECEP) instructional materials manual will provide teachers of special needs students with appropriate material for implementing competency-based education into their programs.

VA8313304.

Vocational Education Curriculum Development Satellite Project.

Project Director: Armstrong, Flora.

Organization: Henrico County Schools PO Box 40, Highland Springs, VA 23075.

Sponsoring Agency: Virginia State Dept. of Education, Richmond.

Contract/Control No.: CN: VA-83-C-133-3-CD-001.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 85.

Fiscal Year Funding: $200,000.

Descriptors: Competency-Based-Education. Curriculum-Study-Centers. Delivery-Systems. Program-Implementation. Satellite-Facilities. State-Standards.

Identifiers: State. Proposal.

A curriculum development unit will be provided and operated as a satellite service to maintain programs, supply new programs with recommended publications and materials, and meet state standards for implementing competency-based education. Existing materials will be assessed and guidelines developed for material review and dissemination. Users will be surveyed to determine needs for new curriculum materials, which will be written. A library classification system will be developed and implemented, and a lending library will be maintained. Dissemination services will be prepared and provided, as well as research activities.

VA8313305.

Air, Soil, and Water Instructional Materials Manual.

Project Director: Bolt, Les

Organization: James Madison University 108 Keezell Hall, Harrisonburg, VA 22807.

Telephone: (703) 433-6825.

Sponsoring Agency: Virginia State Dept. of Education, Richmond.

Contract/Control No.: CN: VA-83-C-133-1-AG-001.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $5,000.

Descriptors: Agricultural-Education. Competency-Based-Education. Conservative-Environment. Curriculum-Guides. Natural-Resources.

Identifiers: State. Proposal.

A list of tasks and competencies will be identified and developed for the air, soil, and water topics contained in the course offerings of natural resources management, agricultural production, agricultural science, and mechanics 1 and 2. An instructional materials manual for these courses will be developed and field-tested. Camera-ready copy will be submitted along with evaluation results and a final report.

VA8313307.

Employment Skills Unit of Education for Employment/Work Experience Cooperative Education Program.

Project Director: Miller, Malvern L.

Organization: Old Dominion University Norfolk, VA 23508-8508.

Telephone: (804) 440-3307.

Sponsoring Agency: Virginia State Dept. of Education, Richmond.

Contract/Control No.: CN: VA-83-C-133-1-SP-001.

Funding Period: Start Date 15 Jan 83; End Date 30 Jun 83.

Fiscal Year Funding: $12,500.

Descriptors: Competency-Based-Education. Curriculum-Guides. Job-Skills. Special-Education.

Identifiers: State. Proposal.

The employment skills component of the EFE/WECEP instructional materials manual will be developed to provide teachers of special needs students with relevant and appropriate instructional material that will assist them in implementing competency-based education into their programs. Performance-based instructional materials will be identified to support the employment skills performance objectives identified by the special programs teacher curriculum committee. Criterion-referenced measures will be developed that examine students' ability to demonstrate competency in basic employment skills. Supporting reference material will be identified for use in preparing to teach employment skills. Topics such as successful work attitudes, job orientation, and advancement and raises will be included in the unit. Final camera-ready copies of the instructional materials component will be submitted to the state department of education.

VA8313308.

Vocational Education Curriculum Development Satellite Project.

Project Director: Armstrong, Flora C.

Organization: Henrico County School Board 2200 Mountain Road, Glen Allen, VA 23060.

Telephone: (804) 262-7439.

Sponsoring Agency: Virginia State Dept. of Education, Richmond.

Contract/Control No.: CN: VA-83-C-133-3-CD-001.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 85.

Fiscal Year Funding: $860,000.

Descriptors: Information-Dissemination. Information-Services. Library-Services.

Identifiers: State. Proposal.

A curriculum development unit will be operated as a satellite service for the state division of vocational education to maintain established programs, supply new programs with recommended publications and materials, and meet the state standards for implementing competency-based education. The unit will serve as a first-line clearinghouse for all curriculum projects. Activities will include the following: procure, review, revise, edit, adapt, update, and disseminate curriculum materials prepared by other states or agencies; locate, obtain, evaluate, and maintain curriculum materials and instructional media; write new curriculum material; implement a standard library classification system and maintain a lending library for use by vocational educators in Virginia; and provide assistance with the review, procurement, and dissemination of related research activities.

Washington

Research (Sec. 131)

WA8313101.
MIS-4.
Project Director: Taylor, Dolores; Mahn, Gary
Organization: Bellevue Community College 3000 Landerholm Circle, SE, Bellevue, WA 98007.
Telephone: (206) 641-0111.
Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.
Contract/Control No.: CN: 83-ANY(149)NB.
Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.
Fiscal Year Funding: $4,811.
Descriptors: Community-Colleges. Enrollment. Followup-Studies.
Identifiers: State. Proposal.

The reliability, accuracy, and efficiency of the MIS-4 follow-up study will be increased. Procedures established in phase 1 for accurately identifying students enrolled in the program will be implemented. Refinements will be made in implemented procedures for (1) identifying program completers, program leavers, and students who attend to upgrade skills; (2) tracking; and (3) increasing response rate to the survey. The survey instrument produced will be applicable to the Washington community college system.

WA8313102.
Electronics Articulation Project.
Project Director: Carlson, Jan; Price, Jerry
Organization: Sno-Isle Vocational Skills Center 9001 Airport Road, Everett, WA 98204.
Telephone: (206) 353-8810.
Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.
Contract/Control No.: CN: 83-ANS(131)NB.
Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.
Fiscal Year Funding: $2,500.
Descriptors: Articulation-Education. Electronics. Institutional-Cooperation. Labor-Needs.
Identifiers: State. Proposal.

The Sno-Isle Vocational Skills Center Industrial Electronics curriculum will be integrated with the community college curriculum and will include recommendations and specifications by the Puget Sound Electronics Training Foundation. Thus, training will be responsive to current industry personnel requirements, and students will be able to progress through sequential electronics training to an associate degree or advanced developmental competency. Puget Sound Electronics Training Foundation and Edmonds Community College curriculum will be evaluated for applicability at the secondary level; the skills center program will be assessed to determine curriculum that can be integrated and revised. Instructors from the postsecondary programs will provide input. The hands-on training manual will be revised to be appropriate for the secondary level, then prepared for reproduction. Lectures will be prepared, and instructional materials will be selected. An articulation electronics curriculum content package will be delivered.

WA8313103.
NEVAC (Northeast Vocational Advisory Council) Vocational Education Planning Study.
Project Director: Stephenson, Peggy
Organization: Shoreline School District 16045 Twenty-fifth Avenue, NE, Seattle, WA 98155.
Telephone: (206) 367-6111.
Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.
Contract/Control No.: CN: 83-ANR(130)NB.
Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.
Fiscal Year Funding: $7,000.
Descriptors: Educational-Administration. Feasibility-Studies. Regional-Planning.
Identifiers: State. Proposal.

The feasibility of alternatives to the regular high school setting or present ancillary programs will be studied, specifically the merits of establishing one or more vocational skills centers to meet current and projected needs of vocational students in the NEVAC areas. Council members will determine (1) whether vocational program offerings are adequately meeting needs of secondary school students for skills development for entry-level employment or continuation of training, (2) specific program areas needing expansion in the near future, (3) whether existing facilities can be utilized to meet those expansion needs, and (4) costs of remodeling existing facilities and of constructing skills centers.

Curriculum Development (Sec. 133)

WA8313301.
Clark County Vocational Skills Center Project.
Project Director: Bjur, Michael
Organization: Clark County Vocational Skills Center 13905 NE Twenty-eighth Street, Vancouver, WA 98662.
Telephone: (206) 256-6088.
Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.
Contract/Control No.: CN: 83-ANE(110)NB.
Funding Period: Start Date 17 Sep 82; End Date 31 Oct 83.
Fiscal Year Funding: $20,000.
Descriptors: Course-Descriptions. Educational-Objectives. Occupational-Information. Program-Development. Reference-Materials. Regional-Schools. Vocational-Schools.
Identifiers: State. Proposal.

Teachers' job descriptions, program goals and objectives, and unit of instruction outlines will be produced for thirteen program areas: auto mechanics, computer technology, commercial foods, carpentry, dental assisting, diesel mechanics, heavy equipment mechanics, industrial electronics, machine tool operatives, nursing assisting, fashion merchandising, welding, and word processing. A listing of resource materials also will be delivered. Staff will gain knowledge of successful program components and keep current in trends in vocational education by visiting other programs and attending professional development programs, meetings, and seminars. Personnel will be hired to make staff, students, and the public aware of program offerings. Other preparations for opening the center will include coordinating curriculum with equipment purchase and installation, developing a process to determine seven or eight initial programs, developing job descriptions and evaluation criteria for teaching staff, and developing certificates of proficiency or competency for program completers. A leadership component will be infused in the curriculum.

WA8313302.
Small School Vocational Cooperative Project—Organization and Implementation.
Project Director: Emerson, L. J.; Talbott, Brian
Organization: Educational Service District # 101 West 1025 Indiana, PO Box 5436, Spokane, WA 99205.
Telephone: (509) 456-6320.
Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.
Contract/Control No.: CN: 83-ANF(111)NB.
Funding Period: Start Date 17 Sep 82; End Date 31 Mar 84.
Fiscal Year Funding: $20,000.
Descriptors: Agency-Cooperation. Cooperative-Programs. Shared-

Services.

Identifiers: State. Proposal.

A process will be established for three pilot programs to facilitate statewide sharing of technical expertise and equipment by small school districts through a cooperative approach involving local school districts, the state, and private industry. Schools, school boards, vocational advisory committees, state educational organizations, and private business and labor will be contacted and informed about the program; support will be solicited from these participants. Job descriptions will be developed for state, regional, and local facilitators. Development of inservice training programs for local administrators and local facilitators will be started, as well as a method for determining small school vocational needs and a list of private industry and labor resources. An explanation of tax benefits available to business and labor for equipment, funds, and/or services donated will be prepared. Determination will be made of how local districts could pay for their share of the program cost. Ongoing evaluation will be conducted by the advisory committee; SPI personnel and a third party will evaluate the project. A written procedures report will be produced and made available to other states.

WA8313303.

Dietetic Assistant Curriculum Revision and Update.

Project Director: Wilson, John M.; Roller, Monica

Organization: Clover Park Vocational-Technical Institute 4500 Steilacoom Boulevard, SW, Tacoma, WA 98499.

Telephone: (206) 584-7611.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANH(121)NB.

Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,679.

Descriptors: Clinical-Experience. Dietetics.

Identifiers: State. Proposal.

Six courses will be revised for a total of 156 hours of classroom instruction and 150 hours of coordinated clinical experiences. Course outlines for each class will be reviewed, a set of forms will be developed for documentation of time spent in class and work situations, and procedures for evaluation of student skills and courses of study will be revised.

WA8313304.

Curriculum Development for Trades and Industries.

Project Director: Rose, Carolyn

Organization: Tri-City Area Vocational Center Kennewick School District, 200 South Dayton Street, Kennewick, WA 99336.

Telephone: (509) 735-7379.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANJ(122)NB.

Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Competency-Based-Education. Job-Analysis. Technical-Education. Trade-And-Industrial-Education.

Identifiers: State. Proposal.

The curricula produced will include job profiles for auto mechanics, auto service, parts distribution, nurse assistant, radio/TV production, and welding. Task analysis surveys of area industry will be conducted in each job area. Performance-based, evaluated course competencies will be developed.

WA8313305.

Curriculum Development for Agriculture, Business, Distribution, and Home and Family Life.

Project Director: Rose, Carolyn

Organization: Tri-City Area Vocational Center Kennewick School District, 200 South Dayton Street, Kennewick, WA 99336.

Telephone: (509) 735-7379.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANK(123)NB.

Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Agricultural-Education. Business-Education. Competency-Based-Education. Distributive-Education. Job-Analysis.

Identifiers: State. Proposal.

The curricula produced will include job profiles for agriculture power mechanics, cashier/checker, data processing, word processing, commercial foods, child care aide, and industrial farm mechanics. Task analysis surveys of area industry will be conducted in each job area. Performance-based, evaluated course competencies will be developed.

WA8313306.

Office Skills Curriculum Development.

Project Director: Dill, Cheryl; Weitman, Karlene

Organization: Kettle Falls School District Kettle Falls, WA 99141.

Telephone: (509) 738-6014

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANL(124)NB.

Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,400.

Descriptors: Business-Education. Independent-Study. Office-Occupations-Education.

Identifiers: State. Proposal.

The business technology and machines curriculum developed for rural school students will be formatted as an independent study model and will include skills descriptions, student learning objectives, and teaching and practice methods.

WA8313307.

Business Education Curriculum Revision and Modernization.

Project Director: Willsey, Sam

Organization: Leavenworth High School Leavenworth School District, School Road, Leavenworth, WA 98826.

Telephone: (509) 548-7215.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANM(125)NB.

Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,492.

Descriptors: Business-Education.

Identifiers: State. Proposal.

The curriculum revision will result from evaluation of current offerings, visits to schools of appropriate size to collect data on curriculum and department layouts, development of department specifications, and development of course objectives. The project will be evaluated by the business and office advisory committee and by student survey.

WA8313308.

Current Lifestyles Curriculum Update.

Project Director: Willsey, Sam

Organization: Leavenworth High School Leavenworth School District, School Road, Leavenworth, WA 98826.

Telephone: (509) 548-7215.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANN(126)NB.

Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,488.

Descriptors: Family-Life-Education.

Identifiers: State. Proposal.

The curriculum revision will result from evaluation of current offerings, visits to schools of appropriate size to collect data on curriculum and department layouts, development of department specifications, and development of course objectives. A student evaluation of the curriculum will be provided.

WA8313309.

Craft Sewing as a Vocation.

Project Director: Bourque, Janet

Organization: Lake Washington Vocational-Technical Institute 149 Waverly Way, Kirkland, WA 98033.

Telephone: (206) 828-3311.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANP(127)NB.

Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Handicrafts. Sewing-Instruction.

Identifiers: State. Proposal.

Curriculum will be designed and developed for a 270-hour pilot course to train students for entry and advanced skills. Addressing the development of both craft sewing skills and small business and marketing skills, the curriculum will include a scope and sequence, student learning objectives, student learning activities based on the objectives, a pretest and posttest, a bibliography, and teacher resources.

WA8313310.

Dual Role Wage Earner/Homemaker Curriculum Delivery System, Pilot Project.

Project Director: Bourque, Janet

Organization: Lake Washington Vocational-Technical Institute 149 Waverly Way, Kirkland, WA 98033.

Telephone: (206) 828-3311.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANO(128)NB.

Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,451.

Descriptors: Family-Life-Education. Home-Economics. Pilot-Projects.

Identifiers: State. Proposal.

Curriculum will be developed for a series of classes, and a pilot course will be provided for the adult consumer and homemaking program. Curriculum workshops will be conducted to (1) develop a delivery system, (2) determine student learning objectives, (3) design scope and sequence, (4) develop learning activities, (5) gather resources and develop a bibliography, and (6) develop an evaluation tool for courses. The first draft of the curriculum will be implemented with an industry or business, then evaluated and revised.

WA8313311.

Related Instruction in Self-contained Vocational Preparatory Programs.

Project Director: Primavera, Joanne; Willing, Delight

Organization: Renton Vocational-Technical Institute 3000 NE Fourth Street, Renton, WA 98055.

Telephone: (206) 235-2352.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANV(129)NB.

Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Guides. Specialists.

Identifiers: State. Proposal. *Related Instruction.

A curriculum assistant will be provided to review all preparatory curricula for related information. The assistant will work with instructors, program administrators, and advisory committees to revise the curricula, formatting them to be consistent. A student review guide will be produced.

WA8313312.

Revision and Development of Three Curriculum Guides for Vocational Agriculture.

Project Director: Cvancara, Joseph G.

Organization: Washington State University 223 Agricultural Sciences, Pullman, WA 99164-6220.

Telephone: (509) 335-4054.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANT(132)NB.

Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,442.

Descriptors: Agricultural-Education. Curriculum-Guides. Instructional-Materials.

Identifiers: State. Proposal.

Up-to-date instructional materials will be made available to vocational agriculture secondary programs, skill centers, and vocational-technical institutes in Washington. An advisory committee will be formed to establish format. Subject matter from studies will be collected and assimilated into curricula, which will be reviewed by the advisory committee and pilot tested. Three curriculum guides will be delivered.

WA8313313.

Individualized Instruction for Word Processing.

Project Director: Dodds, Donald L.

Organization: Wilbur School District Box 1090, Wilbur, WA 99185.

Telephone: (609) 647-5602.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANU(133)NB.

Funding Period: Start Date 10 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,848.

Descriptors: Individualized-Instruction. Word-Processing.

Identifiers: State. Proposal.

To develop the individualized training program, a project team will study and evaluate existing curriculum by visiting schools with word processing programs. They also will visit business locations to determine employability skills in demand.

WA8313314.

Modules for Early Childhood Education Update and Extension.

Project Director: Bennett, Jim; Polis, Gloria Owens

Organization: Bellevue Community College 3000 Landerholm Circle, SE, Bellevue, WA 98007.

Telephone: (206) 641-2406.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANW(147)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,800.

Descriptors: Early-Childhood-Education. Learning-Modules.

Identifiers: State. Proposal.

Following a review of current literature and relevant curriculum materials, three modules will be revised to reflect recent development in the field and refinement of student learning objectives. One additional module will be developed. Rough drafts will be reviewed by appropriate staff and advisory board members, revised as recommended, then printed and distributed.

WA8313315.

Production of New Curriculum To Introduce Media Technicians and Vocational Computer Students to Interactive Video.

Project Director: Bolvin, Boyd; Williamson, Tom

Organization: Bellevue Community College 3000 Landerholm Circle, SE, Bellevue, WA 98007.

Telephone: (206) 641-0111.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANX(148)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,400.

Descriptors: Communications. Computer-Science-Education. Curriculum-Guides. Technical-Education. Technical-Occupations.

Identifiers: State. Proposal. Video Discs.

Curriculum will be developed to introduce media technician or vocational computer students to generic information which applies to the writing, planning, and production of video tapes and discs for interactive video programs. A curriculum guide will be produced. An advisory committee, formed from education and industry, will provide both formative and summative evaluation.

WA8313316.

Updating of the Curricula for the Plastics Program Courses.

Project Director: Wanless, Ellery; Richards, Gordon

Organization: Clark College 1800 East McLoughlin Boulevard, Vancouver, WA 98663.

Telephone: (206) 694-6521.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ANZ(150)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,480.

Descriptors: Guidelines. Industrial-Arts. Instructional-Materials. Plastics.

Identifiers: State. Proposal.

Literature review and in-plant research will be conducted for preparation of the curriculum materials and instructional guidelines. Local industrial applications will be identified. Staff members and advisory committee members will review and revise the materials as necessary.

WA8313317.

Computer Science Curriculum Development.

Project Director: Evans, William; Sweet, Frank

Organization: Columbia Basin College 2600 North Twentieth, Pasco, WA 99301.

Telephone: (509) 547-0511.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APA(151)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Associate-Degrees. Computer-Science-Education. Input-Output-Devices. Program-Design.

Identifiers: State. Proposal.

The two-year associate degree program will be updated through revision of at least three course curricula, enabling students to enroll or graduate each quarter. Additionally, the possibilities of using remote terminals for instruction in at least three technical or business programs will be explored.

WA8313318.

Define and Structure Curriculum for Computer Literacy.

Project Director: Lingerfelt, Gary; Montgomery, Rebecca

Organization: Edmonds Community College 20000 68th Avenue, Lynnwood, WA 98036.

Telephone: (206) 771-1500.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APB(152)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,200.

Descriptors: Computer-Literacy. Entry-Workers. Introductory-Courses.

Identifiers: State. Proposal.

In phase 1, the curriculum will be structured to provide training leading to employment opportunities in diverse business and industrial environments using computer technology. An entry-level survey course will be developed and piloted that will provide basic skills training in keyboarding, microcomputers and programming, careers, and social issues. A set of competencies common to many interdisciplinary areas will be identified, as well as a set of specialized skill area competencies required by separate vocational areas, including legal assisting, medical assisting, dental assisting, and general office administration and management.

WA8313319.

Learning Activity Packages in Pediatrics for First and Second Year Students in Nursing.

Project Director: Quattrociocchi, Susan; Behan, Helen

Organization: Everett Community College 805 Wetmore Avenue, Everett, WA 98201.

Telephone: (206) 259-7151.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APC(153)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,910.

Descriptors: Clinical-Experience. Learning-Modules. Nursing-Education. Pediatrics.

Identifiers: State. Proposal.

The packages will be developed for students to use at their own pace during clinical rotations. Available literature will be obtained and incorporated if applicable. A general curriculum outline and a sample learning package will be presented to nursing faculty and appropriate consultants for review, then revised and reviewed again. The remaining packages will be written, implemented, and evaluated.

WA8313320.

Microcomputer Software Integration with the Midmanagement Business Curriculum.

Project Director: Quattrociocchi, Susan; Lewis, Chad

Organization: Everett Community College 801 Wetmore Avenue, Everett, WA 98201.

Telephone: (206) 259-7151.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APD(154)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,930.

Descriptors: Computer-Programs. Management-Games. Middle-Management. Simulation. Summative-Evaluation.

Identifiers: State. Proposal.

Available software will be researched to determine its suitability for use in community college mid-management courses. In the second project phase, simulations and software will be tested in the classroom, and curriculum will be modified if necessary.

WA8313321.

Revision of Curriculum for the Digital Electronics Program.

Project Director: McDonald, Duane

Organization: Green River Community College 12401 SE 320th Street, Auburn, WA 98002.

Telephone: (206) 833-9111.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APE(155)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Computer-Programs. Electronics. Man-Machine-Systems. Units-Of-Study.

Identifiers: State. Proposal. *Robotics. Hands On Experience. Microprocessors. Modems.

Instructional units will be developed for equipment operations and interface; software programs to complete the interface also will be developed. The interface, designed to drive a video terminal, printer, and modem, will be connected to the video terminal to display the output of the microprocessor. The printer then will be connected to the interface and terminal to print the contents of the microprocessor or video terminal. Finally, a modem will be designed to allow operation of the system on telephone lines. Students will have hands-on laboratory experience and will be evaluated through quizzes. Long-range evaluations will occur after students are placed in the robotics industry.

WA8313322.

Computerized Legal Research.

Project Director: Campbell, Michael; Dodd, Davidson

Organization: Highline Community College Midway, WA 98032.

Telephone: (206) 878-3710.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APF(156)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Computer-Oriented-Programs. Guides. Legal-Assistants. Legal-Education. Research-Tools.

Identifiers: State. Proposal.

Students and teachers in the legal assistant program will be provided with a detailed instructional guide on how to use LEXIS and/or WESTLAW legal computer services. Relevant literature and curriculum materials will be reviewed for preparation of a rough draft of the curriculum. Students and teachers will review the draft before preparation of the instructional guidelines and final curriculum.

WA8313323.

Updating of the Instructional Curricula in the Latest Technological Development in Computer Numeric Control (CNC) Machining Utilizing Mobile Equipment Facilities.

Project Director: Bramel, Sally; Brown, David

Organization: Highline Community College Midway, WA 98032.

Telephone: (206) 878-3710.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APG(157)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,400.

Descriptors: Feasibility-Studies. Instructional-Materials. Machinists. Material-Development. Mobile-Educational-Services. Numerical-Control.

Identifiers: State. Proposal.

Relevant literature and curriculum will be reviewed, and educational institutions using or interested in using CNC instruction will be surveyed for preparation of a rough draft of curriculum. The draft will be reviewed by participating machine shop instructors and presented to the Washington Association of Machine Shop Instructors. Curriculum guidelines and materials then will be finalized. Additionally, the feasibility of using mobile CNC equipment will be determined.

WA8313324.

Development of Curriculum Content for a Unique Career Ladder Multi-entry/Multi-exit Nursing Program.

Project Director: Rosbach, Ellen

Organization: Lower Columbia College 1600 Maple Street, PO Box 68, Longview, WA 98632.

Telephone: (206) 577-2300.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APH(158)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Career-Ladders. Course-Descriptions. Guidelines. Nurses. Nurses-Aides. Practical-Nursing.

Identifiers: State. Proposal.

Eleven-course syllabi will be developed, one for each course in the career ladder nursing program, which reflects three levels of preparation: nurse aide, practical nurse, and registered nurse. Each level will articulate with and build on the previous level, and students will be able to exit any time after the first quarter with a marketable skill. Instructional guidelines for each course also will be prepared. Approval for the content will be secured from the Washington State Board of Practical and Registered Nursing; accreditation for the revised program will be secured from the National League for Nursing.

WA8313325.

Updating of the Curricula for Office Administration and Secretarial Science.

Project Director: Devin, Carl; Horlacher, Kent

Organization: Lower Columbia College 1600 Maple Street, PO Box 68, Longview, WA 98632.

Telephone: (206) 577-2300.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APJ(159)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,950.

Descriptors: Office-Management. Secretaries.

Identifiers: State. Proposal.

Relevant literature and curriculum will be reviewed for preparation of a rough draft of updated curricula. Appropriate staff members will review and refine the draft, which then will be reviewed and approved by the program's advisory board. Instructional guidelines for using the materials also will be prepared.

WA8313326.

Revising the Microcomputer Technology Curriculum.

Project Director: Charnley, Lucile; Cushing, Michael

Organization: North Seattle Community College 9600 College Way, North, Seattle, WA 98103.

Telephone: (206) 634-4400.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APK(160)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,700.

Descriptors: Credit-Courses. Electronic-Technicians. Laboratory-Experiments. Microcomputers. Teaching-Guides.

Identifiers: State. Proposal.

Revision will include increasing course offerings to a major program of approximately fifteen credits. Entry-level skills required by area industries will be determined, and a laboratory sequence will be developed in which students analyze, trouble-shoot, and repair components of microcomputer systems. An instructor's guide and supplementary materials for classroom and laboratory will be produced.

WA8313327.

Revision of Servomechanism Course To Include Robotics.

Project Director: Charnley, Lucile; Macklow, Stan

Organization: North Seattle Community College 9600 College Way, North, Seattle, WA 98103.

Telephone: (206) 634-4633.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APL(161)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,430.

Descriptors: Course-Descriptions. Electronic-Control. Laboratory-Experiments. Robotics.

Identifiers: State. Proposal.

Existing course materials and experiments will be reviewed for preparation of a rough draft of the revised course outline and experiments, which will be reviewed by representatives of various industries employing robotics technicians. The final course outline and laboratory experiments with instructional guidelines will make servomechanism in the electrical power and control technology course applicable to robotics technology.

WA8313328.

Applied Computer Programming Curriculum Development for Fisheries Technicians.

Project Director: Walton, Jim; Ruble, Darlene

Organization: Peninsula College Port Angeles, WA 98362.

Telephone: (206) 452-9277.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APM(162)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,850.

Descriptors: Computer-Assisted-Instruction. Computer-Programs. Fisheries. Programing. Technicians.

Identifiers: State. Proposal.

The computer programming curriculum will guide students from the preparation of simple programs, highlighting the advantages of allowing computers to solve simple calculations, to the development of complex problems. The storage bank of programs developed in the courses or collected from other sources will be expanded to assist both students and graduates. Appropriate computer assisted instruction software packages will be prepared for drill work exercises and automated testing. Project staff will continue to survey state, federal, and Canadian fisheries agencies and institutions for fisheries programs that are relevant to fisheries technicians and adaptable to microcomputer programming. Software to do numerous calculations will be developed, and databases will be created for fisheries technology applications.

WA8313329.

Computer Updating of Technical Forestry Instruction.

Project Director: McCarrell, Paul; Switzer, Craig

Organization: Peninsula College Port Angeles, WA 98362.

Telephone: (206) 452-9277.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APN(163)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Computer-Programs. Forestry-Aides. Learning-Modules.

Identifiers: State. Proposal.

Existing forestry-related software will be purchased, and learning activity packages will be developed for computer use. Forestry instructors will be instructed in operation of the software, which will be integrated into the curriculum. Students will use the software in simulated work situations.

WA8313330.

Updating of the Cosmetology Curriculum.

Project Director: Mitchell, Myrtle; Bynum, Amanda

Organization: Seattle Central Community College 1701 Broadway, Seattle, WA 98122.

Telephone: (206) 587-5471.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APP(164)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,229.

Descriptors: Behavioral-Objectives. Competency-Based-Education. Cosmetology. Instructional-Materials. Sequential-Approach. Teaching-Guides.

Identifiers: State. Proposal.

Relevant literature and curriculum materials will be reviewed for preparation of learning objectives and performance criteria. Curriculum content will be ordered following Gagne's model of instruction. Curriculum materials and guidelines for instruction will accompany the sequenced curriculum produced.

WA8313331.

Updating of the Curricula for Data Processing Computer Operation Technician Certificate Course.

Project Director: Goodrich, Shirley; Shockley, Willis

Organization: Seattle Central Community College 1701 Broadway, Seattle, WA 98122.

Telephone: (206) 587-4100.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APR(165)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Data-Processing. Electronic-Technicians. Instructional-Materials. Student-Certification. Teaching-Guides.

Identifiers: State. Proposal.

Relevant literature and curriculum materials will be reviewed for preparation of a rough draft of the curriculum, which will be reviewed by faculty members, then refined. Following review and approval by the college and advisory committee, the curriculum materials and instructional guidelines for their use will be finalized.

WA8313332.

Curriculum Bank for Individualized Electronic Instruction.

Project Director: Williamson, Bert; Pedersen, Joe

Organization: Skagit Valley College 2405 College Way, Mount Vernon, WA 98273.

Telephone: (206) 428-1261.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APT(166)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Computer-Managed-Instruction. Computer-Storage-Devices. Electronics. Electronic-Technicians. Individualized-Instruction. Instructional-Materials. Open-Education.

Identifiers: State. Proposal.

Selected materials used in the electronic technology open classroom will be updated and converted to computer disc storage. An Educational Resources Information Center (ERIC) search will be conducted for computer managed instructional materials for electronics technology. The final report prepared will include a printed copy of the stored individualized materials for two to four courses in the first year electronic fundamentals sequence.

WA8313333.

Improving the Curriculum for Small Business Management.

Project Director: Williamson, Bert; Stroosma, Peter

Organization: Skagit Valley College 2405 College Way, Mount Vernon, WA 98273.

Telephone: (206) 428-1261.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APU(167)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,580.

Descriptors: Behavioral-Objectives. Course-Descriptions. Program-Development. Recordkeeping. Small-Businesses.

Identifiers: State. Proposal. *Open Entry Open Exit.

An open-entry/open-exit program of instruction will be developed that identifies the different methodologies of recordkeeping for small businesses. The complete recordkeeping course will be evaluated locally and made available for statewide dissemination. Literature, curriculum materials, and recordkeeping system suppliers will be surveyed; sample materials will be obtained. Local business owners and accounting services will verify the accuracy of observations, and the vocational advisory committee will review course materials and curriculum draft. Following refinement of the outline and definition of student learning objectives, the program will be implemented and tested in the classroom.

WA8313334.

Digital Control Technology, Phase 1.

Project Director: Smith, Carlton; Schmidt, Goesta

Organization: South Seattle Community College 6000 Sixteenth Avenue, SW, Seattle, WA 98106.

Telephone: (206) 764-5353.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APV(168)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Course-Descriptions. Electronic-Technicians. Numerical-Control.

Identifiers: State. Proposal. *Microprocessors.

A curriculum listing prerequisite knowledge and consisting of specific courses and detailed course outlines will be developed to prepare technicians to work with a wide variety of automated systems in which equipment and machines are controlled by microprocessors. The interdisciplinary program will draw from the fields of electronics, computer programming, hydraulics, and pneumatics to prepare students to program, install, service, and trouble-shoot digitally controlled equipment. In cooperation with a technical advisory committee, investigators will determine prerequisites to, and component parts of, the curriculum. Similar programs at other institutions will be investigated, and advice will be sought from business and industry. The advisory committee, business and industry, the college faculty, and enrollees will provide feedback.

WA8313335.

Digital Control Technology, Phase 2.

Project Director: Smith, Carlton; Schmidt, Goesta

Organization: South Seattle Community College 6000 Sixteenth Avenue, SW, Seattle, WA 98106.

Telephone: (206) 764-5353.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APW(169)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,200.

Descriptors: Numerical-Control. Program-Evaluation. Program-Implementation. Student-Evaluation-Of-Teacher-Performance. Vocational-Followup.

Identifiers: State. Proposal.

The program developed in phase 1 will be implemented by increasing the 1983 spring quarter trial courses for summer quarter and again for fall quarter, with four to six courses being offered fall quarter. Students anonymously will complete questionnaires about both course content and instructor ability. Vocational follow-up will be provided to all enrollees who subsequently leave the program.

WA8313336.

High Technology Lab Program for Electronic Technician.

Project Director: Mitchell, Gary; Johnson, Ray

Organization: Spokane Community College North 1810 Greene Street, Spokane, WA 99207.

Telephone: (509) 535-0641.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APX(170)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,770.

Descriptors: Computer-Programs. Instructional-Materials. Laboratory-Experiments. Teaching-Guides.

Identifiers: State. Proposal. *Computer Assisted Design. *Computer Assisted Maintenance. High Technology.

A computer controlled communications system will be developed to provide students with experience in computer aided design and to develop skills in computer aided maintenance. Software will be developed to demonstrate such a communications system that incorporates software aided maintenance. Additionally, software will be developed to aid students in the design of laboratory projects. Following a literature review and outlining of laboratory projects, the software will be written and programmed into the computer. Functional evaluation will include testing, debugging, modification, and final verification of system capabilities. Finally, instructional guidelines for the software will be prepared.

WA8313337.

Field Test of Health Information Systems Software and Health Records Program.

Project Director: Mitchell, Gary; Reding, Beverli

Organization: Spokane Community College North 1810 Greene Street, Spokane, WA 99207.

Telephone: (509) 535-0641.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APY(171)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Computer-Oriented-Programs. Field-Tests. Recordkeeping. Summative-Evaluation.

Identifiers: State. Proposal.

As a consortium, Spokane and Tacoma community colleges will test these systems: hospital admission/discharge system, doctor's incomplete chart system, discharge statistics system, disease/operation indexing and statistical system, and master patient indexing system. Computer hardware will be installed, technical expertise and feedback regarding software program design will be provided, and student learning experiences will be evaluated. Evaluators of both the systems and the learning experiences will include students, program faculty, and persons external to the field test, particularly advisory committee members.

WA8313338.

Computer Aided Design and Graphics Curriculum for the Community College.

Project Director: Hill, Ed; Lecoq, Paul

Organization: Spokane Falls Community College West 3410 Fort George Wright Drive, Spokane, WA 99204.

Telephone: (509) 456-2800.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-APZ(172)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Architecture. Course-Descriptions. Course-Objectives. Engineering. Engineering-Graphics. Instructional-Materials.

Identifiers: State. Proposal. *Computer Assisted Design.

The investigator will research current usage and equipment, then develop curriculum objectives, course outlines, and detailed course materials for engineering, architecture, and graphics design. Current computer aided design users and educators will evaluate and revise the curriculum.

WA8313339.

Development of Desktop Computer Software Courses.

Project Director: Hill, Ed; Merchant, Ron

Organization: Spokane Falls Community College West 3410 Fort George Wright Drive, Spokane, WA 99204.

Telephone: (509) 456-2800.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ARA(173)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Business-Education. Computer-Programs. Graphic-Arts. Instructional-Materials. Teaching-Guides. Word-Processing.

Identifiers: State. Proposal.

A one-credit-hour microcomputer software course for text editing and one for graphics will be developed and will include computer programs on disc. Relevant literature and materials now in use will be reviewed for preparation of a rough draft of the curriculum, which will be reviewed by appropriate staff members, then refined. Instructional guidelines for use of the materials will be prepared.

WA8313340.

Implementation of a Microcomputer Information System.

Project Director: Hill, Ed; Merchant, Ron

Organization: Spokane Falls Community College Vocational and

Continuing Education, West 3410 Fort George Wright Drive, Spokane, WA 99204.

Telephone: (509) 456-2800.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ARB(174)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Business-Education. Computer-Oriented-Programs. Computer-Programs. Information-Systems. Office-Machines. Program-Implementation.

Identifiers: State. Proposal.

Relevant literature, programs, and materials in use will be reviewed for preparation of a program outline to be reviewed by appropriate staff members, then refined. The system and guidelines for its implementation in the business math/machines center then will be prepared.

WA8313341.

Incorporating Minicomputers in Vocational Agriculture Curriculum.

Project Director: Peterson, Jim; Proctor, Jim

Organization: Walla Walla Community College 500 Tausick Way, Walla Walla, WA 99362.

Telephone: (509) 522-2500.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ARC(175)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Agricultural-Education. Computer-Oriented-Programs. Farm-Management. Instructional-Materials. Program-Implementation. Recordkeeping. Study-Guides.

Identifiers: State. Proposal.

Methods and materials will be reviewed for preparation of a plan and cost estimates for using minicomputers in secondary and postsecondary agriculture programs. Curriculum materials and student instructional guidelines then will be prepared for Agriculture Business Management and Farm Records and Analysis.

WA8313342.

Health Technologies Microcomputer Search and Orientation Project.

Project Director: Eley, Robert; Abbott, David

Organization: Wenatchee Valley College Occupational Education, 1300 Fifth Street, Wenatchee, WA 98801.

Telephone: (509) 662-1651.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ARD(176)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Allied-Health-Occupations. Computer-Programs. Computer-Science. Medical-Technologists. Minicourses. Program-Implementation.

Identifiers: State. Proposal. Hands On Experience.

Medical support service personnel will be oriented to recent advances in computer technology and will conceptualize how they can use computer software to increase their effectiveness and performance with physicians and their patients. Available software will be reviewed and categorized for potential usefulness to either a particular high technology health care field or a general category useful to more than one profession. A report of these findings will be compiled. A model short course then will be instituted to orient students of the medical laboratory technician program in basic microcomputer concepts, with hands-on experience provided through the on-campus computing center.

WA8313343.

North Central Washington Small Business Microcomputerization Project.

Project Director: Eley, Robert; Bauer, Henry

Organization: Wenatchee Valley College Occupational Education, 1300 Fifth Street, Wenatchee, WA 98801.

Telephone: (509) 662-1651.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ARE(177)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Agribusiness. Computer-Programs. Course-Descriptions. Entrepreneurship. Information-Centers. Microcomputers. Minicourses. Small-Businesses.

Identifiers: State. Proposal.

An instructor will be prepared to establish and operate an information dissemination center and instruct students regarding the use of microcomputers in small retail businesses and agribusinesses. Computer use and anticipated needs of selected small businesses in north central Washington will be analyzed using questionnaires and interviews. A report then will be compiled of computer outlets, available equipment options, popular software, and specific support services vendors offer. Finally, a short course and curriculum outline will be developed for owners and operators emphasizing selection of hardware and software packages and nontechnical computer operation or keyboarding.

WA8313344.

Expansion of Computer Science Curriculum.

Project Director: Heiner, Harold; Browning, Bruce

Organization: Whatcom Community College 5217 Northwest Road, Bellingham, WA 98226.

Telephone: (206) 676-2170.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ARF(178)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $1,960.

Descriptors: Computer-Science-Education. Electronics. Electronic-Technicians. Instructional-Materials. Pacing. Sales-Workers.

Identifiers: State. Proposal. *Microprocessors.

Satisfactory self-paced instructional materials in electronics and microprocessor repair will be located and tested in a classroom setting prior to full implementation of the revised curriculum for microprocessor service and sales representatives in fall quarter, 1983.

WA8313345.

Curriculum for Early Childhood Programs—Phase 2.

Project Director: Huntzicker, Jane; Patrick, Mary

Organization: Yakima Valley College Sixteenth Avenue and Nob Hill Boulevard, PO Box 1647, Yakima, WA 98907.

Telephone: (509) 575-2350.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.

Contract/Control No.: CN: 83-ARG(179)NB.

Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.

Fiscal Year Funding: $2,500.

Descriptors: Core-Curriculum. Early-Childhood-Education. Minicourses. Position-Papers. Refresher-Courses. Teaching-Guides.

Identifiers: State. Proposal.

Instructional guides will be developed for the remaining four core courses. Two to three short refresher or updating courses will be identified and planned. Finally, a summary document will be drafted to show the degree to which Child Development Association (CDA) competencies could be attained by students from each course.

WA8313346.

Scheduling Methods to Insure Uniform Clinical Experiences.

Project Director: Munson, William; Short, Chris

Organization: Yakima Valley College Occupational Education, Sixteenth Avenue and Nob Hill Boulevard, PO Box 1647, Yakima, WA 98907.

Telephone: (509) 575-2350.

Sponsoring Agency: Washington State Commission for Vocational Education, Olympia.
Contract/Control No.: CN: 83-ARH(180)NB.
Funding Period: Start Date 30 Dec 82; End Date 30 Dec 83.
Fiscal Year Funding: $2,500.
Descriptors: Clinical-Experience. Computer-Oriented-Programs. Criteria. Nursing-Education. Scheduling.
Identifiers: State. Proposal.

An objective set of criteria for scheduling student clinical experience in nursing will be determined and automated for scheduling with computer software. To determine the criteria, project staff will define the program's purpose in providing clinical experience, identify clinical experience components that are schedule dependent (i.e. reinforced with x-ray techniques), identify a quantitative method to determine which students are weak in schedule dependent components, and identify student preferences about time.

West Virginia

Exemplary and Innovative (Sec. 132)

WV8313201.

Develop a Computer Program To Process Students and Follow-up Data.

Project Director: Dolan, Jimmy

Organization: Boone County Board of Education 69 Avenue B, Madison, WV 25130.

Telephone: (304) 369-4585.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-E-4.

Funding Period: Start Date 01 Mar 83; End Date 31 Aug 83.

Fiscal Year Funding: $2,700.

Descriptors: Computer-Programs. Data-Processing. Material-Development. Vocational-Followup.

Identifiers: State. Proposal.

Written for the Apple II computer, the program will out-put the information on the state VE-2 forms and be able to transmit the data to any other compatible computer system via the telephone.

WV8313202.

Development and Demonstration of a Microcomputer System for Inventory Reporting.

Project Director: Davis, Dennis E.

Organization: Kanawha County Board of Education 200 Elizabeth Street, Charleston, WV 25311.

Telephone: (304) 348-7756.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-E-2.

Funding Period: Start Date 15 Mar 83; End Date 31 Aug 83.

Fiscal Year Funding: $2,000.

Descriptors: Computer-Programs. Facility-Inventory. Program-Implementation. Programing. Property-Accounting.

Identifiers: State. Proposal.

A computer programmer will be contacted to develop a microcomputer software package that can be copied and used by all local education agencies in the state. A final report will be prepared for use as a guide for implementing the system.

WV8313203.

Computer-based Financial Management System.

Project Director: Tully, Samuel M.

Organization: Fayette County Board of Education 111 Fayette Avenue, Fayetteville, WV 25840.

Telephone: (304) 574-1165.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-E-5.

Funding Period: Start Date 01 Mar 83; End Date 31 Aug 83.

Fiscal Year Funding: $5,000.

Descriptors: Computer-Oriented-Programs. Computer-Programs. Management-Systems. Money-Management.

Identifiers: State. Proposal.

Elements of the financial administration system will be identified and organized according to general data flow principles. Software and hardware then will be identified which will allow for transfer of these data and for intracounty data links. Appropriate management procedures will be established and pilot tested.

WV8313204.

A Local Fiscal Management System Using Microcomputers.

Project Director: Cunningham, Raymon; Moore, Arch, Jr.

Organization: Vocational, Technical, and Adult Education Center Route 1, Liverpool, WV 25257.

Telephone: (304) 372-9164.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-E-1.

Funding Period: Start Date 01 Mar 83; End Date 31 Aug 83.

Fiscal Year Funding: $3,000.

Descriptors: Computer-Oriented-Programs. Computer-Programs. Management-Systems. Money-Management. Recordkeeping.

Identifiers: State. Proposal.

A consultant will be employed to write programs and provide inservice education for staff concerning management of personnel records, tuition collection and records, and general fund accounting. Formative evaluation of materials and procedures will occur. Necessary revisions will be recommended to other multicounty vocational directors. A procedures guide and a final report will be delivered.

Curriculum Development (Sec. 133)

WV8313301.

Curriculum for Oil and Gas Orientation and Safety.

Project Director: Lykens, Bob

Organization: United Career Center Route 3, Box 43-C, Clarksburg, WV 26301.

Telephone: (304) 623-5733.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-1.

Funding Period: Start Date 01 Nov 82; End Date 30 Dec 82.

Fiscal Year Funding: $4,408.

Descriptors: Competency-Based-Education. Fuels. Orientation. Petroleum-Industry. Safety-Education. Skill-Analysis.

Identifiers: State. Proposal.

Competency-based curriculum materials will be developed for a course in oil and gas orientation and safety. Existing oil and gas industry techniques will be reviewed and competencies identified. An advisory committee will validate the competencies. Student competency sheets will be written and the finished curriculum materials delivered.

WV8313302.

Competency-based Education Curriculum Development from Homemaker Materials.

Project Director: Blankenship Martha Lee

Organization: Marshall University Huntington, WV 25701.

Telephone: (304) 696-2356.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-C-6.

Funding Period: Start Date 10 Jan 83; End Date 30 Dec 83.

Fiscal Year Funding: $5,000.

Descriptors: Competence. Competency-Based-Education. Homemaking-Skills.

Identifiers: State. Proposal.

Competency-based curriculum will be developed for homemaking courses. Homemaker competencies will be identified, and student competency sheets will be written.

WV8313303.

Revision of Competency-based Education (CBE). Curriculum Development for Nursing Assistant.

Project Director: Crane, Diane L.

Organization: Hampshire County Career Training Center Romney, WV 26757.

Telephone: (304) 822-3979.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-C-4.

Funding Period: Start Date 01 Nov 82; End Date 01 Aug 83.

Fiscal Year Funding: $1,000.

Descriptors: Competence. Competency-Based-Education. Nurses-Aides.

Identifiers: State. Proposal.

Competency-based nursing assistant curriculum will be revised. Existing techniques will be reviewed and an advisory committee will revalidate the competencies. New competencies will be identified and student competency sheets revised.

WV8313304.

Demonstration of the Use of Computers in Drafting Instruction (Continuation).

Project Director: Knapp, Paul G.

Organization: Putnam County Schools Winfield, WV 25213.

Telephone: (304) 755-9106.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-E-3X.

Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.

Fiscal Year Funding: $4,990.

Descriptors: Computer-Assisted-Instruction. Computer-Oriented-Programs. Computer-Programs. Computers. Curriculum-Evaluation. Drafting. Instructional-Materials. Job-Skills.

Identifiers: State. Proposal.

A plotter will be obtained and used in drafting, survey, and mapping classes in conjunction with curriculum materials and computer software developed to teach job skills. A feasibility study will be conducted at the end of the second year to evaluate computer assisted drafting instruction. A final report will be produced.

WV8313305.

Competency-based Education (CBE). Curriculum Development of a Core Curriculum for Health Assistants.

Project Director: Waid, Patricia

Organization: Barbour County Vocational Center Route 2, Box 268, Philippi, WV 26416.

Telephone: (304) 457-4807.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-C-3.

Funding Period: Start Date 01 Nov 82; End Date 30 Aug 83.

Fiscal Year Funding: $4,000.

Descriptors: Allied-Health-Occupations-Education. Competency-Based-Education. Core-Curriculum. Health-Personnel. Individualized-Instruction. Learning-Modules. Teaching-Guides.

Identifiers: State. Proposal.

Existing competencies will be identified and reviewed, then validated by an advisory committee. A competency-based CORE health assistant 1 curriculum will be developed, as well as individualized modules for health assistant 2. In addition, a program guide will be designed for teachers.

WV8313306.

Grant Award for Audiovisual Materials for Oil and Gas Orientation Curriculum.

Project Director: Lykens, Bob

Organization: United Career Center Route 3, Box 43-C, Clarksburg, WV 26301.

Telephone: (304) 622-0171.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-C-2.

Funding Period: Start Date 01 Nov 82; End Date 30 Nov 82.

Fiscal Year Funding: $1,850.

Descriptors: Audiovisual-Aids. Fuels. Orientation-Materials. Utilities.

Identifiers: State. Proposal.

Audiovisual materials for oil and gas orientation curriculum will be identified, vendors located, and materials purchased. Materials will be reviewed and validated by an advisory committee prior to construction of an audiovisual package.

WV8313307.

Competency-based Education Curriculum Development for Vocational Math.

Project Director: McKinney, L. S.

Organization: Kanawha County Board of Education 200 Elizabeth Street, Charleston, WV 25311.

Telephone: (304) 442-3125.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-C-7.

Funding Period: Start Date 01 Dec 82; End Date 30 Nov 83.

Fiscal Year Funding: $4,000.

Descriptors: Competence. Competency-Based-Education. Mathematics.

Identifiers: State. Proposal.

A competency-based curriculum for vocational mathematics will be developed. Existing techniques will be reviewed and competencies identified. An advisory committee will validate the competencies, and student competency sheets will be written.

WV8313308.

Competency Development for Industrial Arts Communication Technology—Grades 5-8.

Project Director: Griscom, Bill

Organization: Fairmont State College Industrial Arts Education, Fairmont, WV 26554.

Telephone: (304) 367-4156.

Sponsoring Agency: West Virginia State Dept. of Education, Charleston.

Contract/Control No.: CN: BVTAE-76-WV-83-C-5.

Funding Period: Start Date 01 Apr 83; End Date 31 Aug 83.

Fiscal Year Funding: $3,057.

Descriptors: Competence. Competency-Based-Education. Industrial-Arts.

Identifiers: State. Proposal. *Communication Technology.

Existing materials and techniques will be reviewed so that a project team can write competencies for grades 5-8 and 8-12 where possible. A survey will be conducted to validate the competencies.

Wisconsin

Research (Sec. 131)

WI8313101.
Technical Assistance—Data Base Searches.
Project Director: Chinnaswamy, Lou
Organization: Wisconsin Board of Vocational, Technical and Adult Education 4802 Sheboygan Avenue, Seventh Floor, PO Box 7874, Madison, WI.
Telephone: (608) 266-2222.
Sponsoring Agency: Wisconsin State Board of Vocational, Technical, and Adult Education, Madison.
Contract/Control No.: CN: 19.003.150.313.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $4,000.
Descriptors: Computers. Data-Bases. Online-Systems. Reference-Services.
Identifiers: State. Proposal.

Following requests from vocational educators, several databases will be searched to provide lists of documents in the databases. A terminal will be housed in the research coordinating unit. Search strategies will be implemented and document lists prepared and delivered to those who request them.

WI8313102.
Economic Development—A Five-year Plan.
Project Director: Klitzke, Elizabeth
Organization: Center for Vocational, Technical and Adult Education University of Wisconsin-Stout, Menomonie, WI 54751.
Telephone: (715) 232-1382.
Sponsoring Agency: Wisconsin State Board of Vocational, Technical, and Adult Education, Madison.
Contract/Control No.: CN: 30.106.150.313.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $53,000.
Descriptors: Economic-Development. Models. Program-Implementation. School-Role. Technology-Transfer.
Identifiers: State. Proposal.

A model five-year economic development plan will be produced which will outline the role of vocational education in technology transfer. Strategies will be developed to implement the model, and an economic development conference will be held. A task force will oversee the project, which will include a needs assessment of business and industry conducted through interviews by local vocational, technical, and adult education coordinators. Deliverables will include the five-year plan model, a final report, and a conference report.

WI8313103.
Center for Vocational, Technical and Adult Education—XII.
Project Director: Nelson, Orville; Halfin, Harold
Organization: Center for Vocational, Technical and Adult Education University of Wisconsin-Stout, Menomonie, WI 54751.
Telephone: (715) 232-1382.
Sponsoring Agency: Wisconsin State Board of Vocational, Technical, and Adult Education, Madison.
Contract/Control No.: CN: 30.601.150.313.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $45,000.
Descriptors: Needs-Assessment. Professional-Development. Vocational-Education-Teachers.
Identifiers: State. Proposal.

An advisory committee will be used to help identify needs of vocational educators in Wisconsin, develop projects, and help solve the identified needs. This last objective will be met through reviews of literature, application of research projects, and the conducting of professional development conferences. Project reports will be disseminated along with any resulting curriculum guides or materials.

WI8313104.
Vocational Studies Center—Research Component.
Project Director: Lambert, Roger
Organization: University of Wisconsin-Madison, Vocational Studies Center Room 964, Educational Science Building, 1025 West Johnson Street, Madison, WI 53706.
Telephone: (608) 263-2704.
Sponsoring Agency: Wisconsin State Board of Vocational, Technical, and Adult Education, Madison.
Contract/Control No.: CN: 20.301.150.313.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $30,000.
Descriptors: Agency-Cooperation. Information-Dissemination. Program-Administration. Program-Evaluation. Supervision.
Identifiers: State. Proposal.

Supervision, management, coordination, dissemination, and evaluation of selected research, development, and dissemination projects will be provided for Wisconsin Senior Survey, career information system, apprenticeship-related training, basic skills, needs analysis, evaluation, and curriculum development. Staff will coordinate with state, national, and local educational agencies to identify needs, establish priorities, and conduct projects to meet needs. Final reports and curriculum materials produced will be delivered.

WI8313105.
Center for Vocational, Technical, and Adult Education—XII (Research Component).
Project Director: Nelson, Orville
Organization: University of Wisconsin—Stout Applied Arts Building, Menomonie, WI 54751.
Telephone: (715) 232-1382.
Sponsoring Agency: Wisconsin State Board of Vocational, Technical, and Adult Education, Madison.
Contract/Control No.: CN: 30.601.150.313.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $22,500.
Descriptors: Curriculum-Study-Centers. Delivery-Systems. Evaluation. Linking-Agents. Needs-Assessment. Program-Administration. Research.
Identifiers: State. Proposal.

Center staff will assist in developing needs assessment instruments, evaluations, applied research, and dissemination and will serve as a linking agent to university resources in projects to meet identified needs. These objectives will be met through an administrative unit maintained at the University of Wisconsin—Stout. A final report will be delivered.

WI8313106.
Vocational Studies Center—Research Component.
Project Director: Strong, Merle
Organization: University of Wisconsin—Madison 964 Educational Science Building, 1025 West Johnson Street, Madison, WI 53706.
Telephone: (608) 263-2714.
Sponsoring Agency: Wisconsin State Board of Vocational, Technical, and Adult Education, Madison.
Contract/Control No.: CN: 20.301.150.313.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $25,000.
Descriptors: Newsletters. Program-Administration. Research.
Identifiers: State. Proposal.

An administrative unit will be maintained at the University of

Wisconsin—Madison to facilitate the coordination of applied research to meet identified needs. Newsletters will be written, published, and sent to vocational educators throughout the United States.

WI8313107.
Program Relevancy Study of Mechanical Design Technology.
Project Director: Krogstad, Roland
Organization: Wisconsin Board of Vocational, Technical, and Adult Education 4802 Sheboygan Avenue, Seventh Floor, PO Box 7874, Madison, WI 53707.
Telephone: (608) 266-3705.
Sponsoring Agency: Wisconsin State Board of Vocational, Technical, and Adult Education, Madison.
Contract/Control No.: CN: 19.002.150.313.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $5,000.
Descriptors: Curriculum-Evaluation. Curriculum-Research. Job-Analysis. Mechanical-Design-Technicians. Questionnaires. Technology.
Identifiers: State. Proposal.

Mechanical design technology curriculum and instruction will be revised and improved based on verification of tasks performed and competencies required. A competency-based questionnaire will be sent to about 300 employees, former students, and employers. Data from the Likert-type scale instrument will be processed by computer and items ranked by mean scores. Results will be analyzed at instructor workshops for possible revision or improvement of current curriculum/instruction. A final report will be delivered.

Curriculum Development (Sec. 133)

WI8313301.
Vocational Studies Center—Curriculum Dissemination.
Project Director: Lambert, Roger
Organization: University of Wisconsin-Madison, Vocational Studies Center Room 964, Educational Science Building, 1025 West Johnson Street, Madison, WI 53706.
Telephone: (608) 263-2704.
Sponsoring Agency: Wisconsin State Board of Vocational, Technical, and Adult Education, Madison.
Contract/Control No.: CN: 20.302.150.313.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $15,000.
Descriptors: Information-Dissemination. Information-Storage. Instructional-Materials. Library-Acquisition.
Identifiers: State. Proposal.

Professional and support staff will collect, index, and store selected vocational education curriculum materials which will be distributed upon request to state and local educational agencies.

WI8313302.
Vocational Studies Center—Curriculum Dissemination Component.
Project Director: Strong, Merle
Organization: University of Wisconsin—Madison 964 Educational Science Building, 1025 West Johnson Street, Madison, WI 53706.
Telephone: (608) 263-2704.
Sponsoring Agency: Wisconsin State Board of Vocational, Technical, and Adult Education, Madison.
Contract/Control No.: CN: 20.302.150.313.
Funding Period: Start Date 01 Jul 82; End Date 30 Jun 83.
Fiscal Year Funding: $25,000.
Descriptors: Curriculum. Curriculum-Study-Centers. Delivery-Systems. Information-Dissemination. Information-Storage. Information-Systems. Library-Acquisition. Library-Services. Resource-Centers. Special-Libraries.
Identifiers: State. Proposal.

An administrative unit will be maintained on the University of Wisconsin—Madison campus to acquire curriculum documents, index and store the documents, and disseminate these materials through a library loan system. The system will process over 10,000 documents annually.

Wyoming

Research (Sec. 131)

WY8313101.

Statewide Needs Assessment—Executive Summary.

Project Director: Humburg, Renae

Organization: Laramie County Community College 1400 East College Drive, Cheyenne, WY 82001.

Telephone: (307) 634-5753.

Sponsoring Agency: Wyoming State Dept. of Education, Cheyenne.

Funding Period: Start Date 01 Nov 82; End Date 30 Sep 83.

Fiscal Year Funding: $7,000.

Descriptors: Demography. Economic-Factors. Educational-Needs. Employment-Opportunities. Entry-Workers. Labor-Force. Labor-Market. Labor-Needs. Labor-Supply. Needs-Assessment. Population-Distribution. State-Surveys.

Identifiers: State. Proposal.

A state needs assessment will be conducted to synthesize existing information on labor supply and demand, and to identify the needs for vocational education. Wyoming employment supply data will be analyzed in light of nonbaccalaureate entry-level job opportunities. Employment demand data also will be examined. Demographic and economic profiles for seven planning regions will be developed. Results will indicate (1) what vocational education opportunities exist and where for both secondary and postsecondary/adult programs, (2) how many completers live in which regions, (3) what the labor market needs are, (4) what training requirements are for high demand occupations, and (5) what the population and labor force is in each region. Questions concerning the gaps between employment supply and demand; the focus of vocational education; additional vocational training needs; and the quality of equipment, curriculum, and local advisory councils will be addressed in the data analysis.

Exemplary and Innovative (Sec. 132)

WY8313201.

Consultant for Vocational Programs.

Project Director: Elliott, Michael

Organization: Laramie County Community College 1400 East College Drive, Cheyenne, WY 82007.

Telephone: (307) 634-5853.

Sponsoring Agency: Wyoming State Dept. of Education, Cheyenne.

Contract/Control No.: CN: III-2-83.

Funding Period: Start Date 20 Oct 82; End Date 13 Dec 82.

Fiscal Year Funding: $534.

Descriptors: Employee-Responsibility. Job-Analysis. Job-Skills. Organizational-Effectiveness. Program-Design. Program-Improvement. Staff-Development. Staff-Utilization.

Identifiers: State. Proposal.

Staff and line functions of the Laramie County Community College's vocational education unit will be explored. Alternative plans for improving the operational efficiency and consistency of the unit will be proposed. A written proposal will be delivered.

WY8313202.

Development of Vocational Education Special Needs Standards of Excellence.

Project Director: Benavides, Abel S.

Organization: Laramie County Community College Cheyenne, WY 82001.

Telephone: (307) 777-6244.

Sponsoring Agency: Wyoming State Dept. of Education, Cheyenne.

Funding Period: Start Date 01 Oct 82; End Date 30 Sep 83.

Fiscal Year Funding: $5,076.

Descriptors: Advisory-Committees. Job-Skills. Standards.

Identifiers: State. Proposal. *Excellence. *Special Needs Students.

A special needs vocational education steering committee will be assembled to develop the standards. After being oriented to the needs of the state in special needs vocational education, the committee will review all materials available on direction and achievement of job skills according to new technology. The committee will draft a set of standards to be reviewed by the State Department of Education and by the steering committee. A final copy of the standards will be sent to the local school districts to aid in the development and planning of vocational education programs.

SUBJECT INDEX

This index lists project titles under the major subject terms assigned to characterize project content. The terms are taken from the *Thesaurus of ERIC Descriptors* and are listed in alphabetical order. (Note: Because projects in this publication are in the broad area of vocational education program improvement, "vocational education" and "program improvement" are not used as major descriptors.) As shown in the example, the proposal identification number is displayed below and to the right of that title. Additional information about the project can be found under that number in the resume section.

Subject Term

Electronic Technicians
Digital Control Technology, Phase 1

Proposal Identification Number

Project Title

WA 8313334

Abstracts
Vocational and Occupational Information Center for Educators (VOICE) Dissemination System Service. CA8313103.

Academic-Achievement
A Conceptual Model for Assessing Student Performance in Occupational Education Programs. GA8313308.
Computerized Management Systems for Competency-based Curriculum (Continuation). FL8313104.
Develop and Pilot Methods and Instruments to Evaluate Skill Competencies of Occupation Home Economic Education Students at the Secondary and Postsecondary Level. KS8313205.
Follow-up Evaluation Project—MOVE. FL8313206.
Project VOICE (Vocational Interpretation and Curriculum Enrichment). TN8313204.
South Carolina Vocational Education Relevancy Study. SC8313103.
Teaching Basic Skills in Vocational Education Program for Jordan School District. UT8313301.
The Development and Implementation of a Competency Certificate System for Arkansas Vocational and Technical Programs. AR8313209.
The Development of Strategies and Procedures for Assessing the Generalizable Skills of Students in Secondary Vocational Programs. IL8313108.

Academic-Standards
Admission Standards Development for Postsecondary Vocational Education. KY8313106.

Academically-Gifted
Academically Able Exploring Vocations in Emerging and New Technologies (AA-EVENT). TN8313207.
Gifted and Talented Students in Vocational Education—A Policy Development Study. IL8313101.
Gifted Instructional Vocational Education (GIVE) Program. TN8313210.

Acceleration
Fairdale Academic and Vocational Project. KY8313210.

Access-To-Education
A Study of the Validity of Admissions Criteria Used in Secondary Vocational Schools in Massachusetts. MA8313101.
Geographic Indicators. MN8313102.
Improving Equal Access in Vocational Education. KY8313203.
Researching Competencies for Special Education Educational Aides (Teacher Aides) Vocational Training. TX8313104.
Statewide Study of the Accessibility of Vocational Education for Eleventh and Twelfth Grade Students in Kansas. KS8313106.

Accessibility-For-Disabled
Surmounting Architectural Barriers to the Handicapped in Vocational Education. IL8313201.

Accountability
Incorporate Reading, Writing, Math, and Accountability Skills into Vocational Program Offerings—A Model Program. KS8313101.

Accounting
Develop and Implement a Traditional Accounting Cluster Program Demonstration Site and Developmental Center at the Secondary Level. OR8313306.

Administrative-Organization
Vocational Education Management Study. CA8313105.

Administrator-Guides
A Study of the Validity of Admissions Criteria Used in Secondary Vocational Schools in Massachusetts. MA8313101.
Cooperative Vocational Education for Postsecondary. AR8313105.

Administrator-Role
Context Evaluation and Status Study of Vocational Education in Florida (Continuation). FL8313105.

Administrators
Arkansas Vocational Curriculum Fair—EXPO '83: 'Tools of Our Trade.'. AR8313108.

Admission-Criteria
A Study of the Validity of Admissions Criteria Used in Secondary Vocational Schools in Massachusetts. MA8313101.
Admission Standards Development for Postsecondary Vocational Education. KY8313106.

Admission-School
Improving and Expanding Regional Communication, Cooperation, and Coordination of Vocational Education Service Delivery in Economic Region #14. IN8313213.

Admissions-Counseling
Admissions Follow-on Project. GA8313105.

Adolescents
Innovations in Career Selection and Prevocational Training for Emotionally Disturbed/Behaviorally Disordered Adolescents in a Residential School. TN8313206.

Adoption-Ideas
Competency-based Vocational Education (CBVE) Adoption Process. FL8313202.
Promising Practices Diffusion. OR8313202.

Adult-Education
Follow-up Testing and Evaluation of 'Daugherty's Consumer Packets' for Use with Senior Citizens. MO8313107.

Adult-Learners
Marketable Skills Brokering. IL8313110.

Adult-Literacy
Job Training for Adults Coupled with Occupationally Specific English as a Second Language. NJ8313201.

Adult-Vocational-Education
Job Training for Adults Coupled with Occupationally Specific English as a Second Language. NJ8313201.
Study to Determine the Short-term Training Needs in Vocational Education in an Effort to Respond to the Labor Needs of Kansas from 1983 to 1987. KS8313112.
Vocational Preparation for the Adult Handicapped. KY8313201.

Adults
Assessing the Employment and Training Needs of Hispanics. CT8313102.

Advanced-Placement
Continued Communication, Cooperation, and Coordination of Region 4 and Area 10 Vocational Delivery System. IN8313203.
Improving and Expanding Regional Communication, Cooperation, and Coordination of Vocational Education Service Delivery in Economic Region #14. IN8313213.

Advertising
Developing the Marketing of the Adult College Re-entry Network at Mineral Area College. MO8313111.
Marketing Curriculum Guides Dissemination. IL8313309.

Advisory-Committees
Design, Develop, Implement, and Disseminate a Guide for an Inservice Training Program on the Effective Use of Advisory Councils. AR8313203.

Development of Vocational Education Special Needs Standards of Excellence. WY8313202.

Management of Education/Work Consortia. IL8313203.

Technical Assistance Program for Local Advisory Committees. OR8313201.

Agency-Cooperation

Anchorage Cooperative Vocational Education Planning Project. AK8313201.

Articulation: Development and Implementation of Coordinated Guidance, Training, Placement, Youth Activities, and Follow-up Services among Business, Education and Government Agencies. DE8313306.

Developing Communication Linkages and Coordinating Vocational Programs. IN8313201.

Feasibility Study—Warsaw Facility. IN8313211.

Handbook for Ecomonic Development Support (Continuation of 83-2002). PA8313109.

Small School Vocational Cooperative Project—Organization and Implementation. WA8313302.

Unity for a Quality Vocational Education Delivery System for the Metropolitan Nashville Community. TN8313202.

Vocational Studies Center—Research Component. WI8313104.

Youth Service Job Skills Training and Employment Program. TN8313201.

Agribusiness

A Monthly Planning Manual for Beginning Teachers of Vocational Agriculture and Agribusiness in Pennsylvania. PA8313107.

Curriculum Development and Acquisition in Agriculture. FL8313309.

North Central Washington Small Business Microcomputerization Project. WA8313343.

Agricultural-Education

A Monthly Planning Manual for Beginning Teachers of Vocational Agriculture and Agribusiness in Pennsylvania. PA8313107.

Air, Soil, and Water Instructional Materials Manual. VA8313305.

Basic Consumable and Resalable Supplies Used in Agricultural Production Mechanics Laboratories. PA8313102.

Computer Assisted Instruction. LA8313201.

Curriculum Development and Acquisition in Agriculture. FL8313309.

Curriculum Development for Agriculture, Business, Distribution, and Home and Family Life. WA8313305.

Curriculum Development in Agriculture. OR8313305.

Develop a Vocational Agriculture Supervised Occupational Experience Program Handbook. KS8313103.

Development of a Set of Curriculum Materials for the Implementation of an Instructional Strategy for Teaching Basic Mechanical Skills in Exploratory Vocational Agriculture Classes (Continuation). AR8313109.

Development of Competency-based, Criterion-referenced Curriculum Materials for Vocational Agriculture Program. AR8313104.

Development of Competency-based Horticultural Instructional Materials for Handicapped Students. PA8313321.

Development of Guidelines for the Summer Phase of Vocational Agriculture Programs. LA8313303.

Dissemination of a Farm Business Management Analysis (FMBA) Program for Adult and Young Farmers in Vocational Agriculture Programs in Missouri. MO8313202.

Fieldman Handbook. OR8313308.

Illinois Core Curriculum in Agriculture. IL8313306.

Incorporating Minicomputers in Vocational Agriculture Curriculum. WA8313341.

Prevocational and Vocational Skills for Handicapped and Disadvantaged Students. DE8313303.

Research and Curriculum Unit (Curriculum Development). MS8313301.

Research—Vocational Education for the Handicapped: A Curriculum Development Study to Provide Entry Level Skills for Handicapped Students. TX8313101.

Revision and Development of Three Curriculum Guides for Vocational Agriculture. WA8313312.

Statewide Curriculum Development Project. NJ8313308.

Summarizing High School Supervised Occupational Experience Program Records for Better Use in the Classroom Situation. MO8313103.

Supervised Occupational Experience Update Workshop for Illinois Vocational Agriculture Instructors. IL8313116.

Vocational-Agriculture Core Curriculum Development. MT8313302.

Vocational Agriculture Supervised Occupational Experience Program Handbook. KS8313107.

Vocational Instructional Services in Vocational Industrial Education and Vocational Agriculture. TX8313303.

Agricultural-Engineering

Basic Consumable and Resalable Supplies Used in Agricultural Production Mechanics Laboratories. PA8313102.

Development of Occupational Competency Examinations. PA8313112.

Agricultural-Production

Basic Consumable and Resalable Supplies Used in Agricultural Production Mechanics Laboratories. PA8313102.

Develop Agricultural Production Modules—Phase 2. KY8313301.

Development of Competency-based, Criterion-referenced Curriculum Materials for Vocational Agriculture Program. AR8313104.

Field Test Phase 1 of Agricultural Production Modules. KY8313305.

Agricultural Sciences

Prevocational and Vocational Skills for Handicapped and Disadvantaged Students. DE8313303.

Agriculture-Education

Ornamental Horticulture—Audiovisual Material. SC8313304.

Alcohol Fuels

Engine Retrofitting Kits for Alcohol Motor Fuels: High Technology Development, Optimization, and Field Demonstration. IL8313123.

Algorithms

Geographic Indicators. MN8313102.

Allied-Health-Occupations

Health Technologies Microcomputer Search and Orientation Project. WA8313342.

Allied-Health-Occupations-Education

A Model Competency-based Vocational Education (CBVE) Curriculum To Train Health Assistants. MA8313311.

Competency-based Education (CBE). Curriculum Development of a Core Curriculum for Health Assistants. WV8313305.

Computer Assisted Vocational English. NJ8313301.

Diversified Health Facility Careers Program. CT8313204.

Establishing Cooperative High School Work Experience Arrangements with Public and Private Agencies in Training and Placing Home and Health Care Aides into Employment. NJ8313202.

Field Test Health Services Modules. KY8313308.

Health Occupation Conferences to Improve the Quality of Vocational Education Programs for the Eighties. KS8313104.

High Impact Training Services. AZ8313201.

Postsecondary/High Technology Planning: Program and Vocational School Model Development. KY8313105.

Secondary Health Occupations Health Assistant/Respiratory Therapy Aide Program. VA8313103.

Vocational Curriculum Materials Dissemination Center. NM8313302.

Allied-Health-Personnel
A Model Competency-based Vocational Education (CBVE) Curriculum To Train Health Assistants.
MA8313311.

American School Counselor Association
An Analysis and Synthesis of the Perceptions of Selected Secondary School Counselors of the American School Counselor Association Regarding Community Linkages in Career Education.
PA8313119.

Ancillary-School-Services
Board of Governors, California Community Colleges.
CA8313104.
Planning Activities for Region 8: 1983-1984.
IN8313202.
Supplemental Support Services for Industrial Technical Vocational Education Programs.
FL8313301.

Apple II
Computer Assisted Vocational Selection.
DE8313304.

Appliance-Repair
Direct Assistance for Competency-based Vocational Education (Continuation of 84-1806).
PA8313208.

Apprenticeship
Linkage for Apprenticeship Training (LAT).
IL8313111.

Apprenticeships
Development of Apprenticeship-related Training Curriculum for Maintenance Millwright, Stationary Engineer, and Low Voltage Systems Installers.
OR8313304.
Development of Apprenticeship Related Training Curriculum, Part 2.
OR8313310.

Aptitude-Tests
Vocational Assessment of Computer Aptitudes.
NJ8313204.

Architectural-Drafting
Instructional Resource Guides for Competency-based Education in Selected Industrial Arts Areas.
VA8313106.

Architecture
Computer Aided Design and Graphics Curriculum for the Community College.
WA8313338.

Articulation
Design and Implement an Articulation Program between Secondary and Postsecondary Technical Education.
TN8313203.

Articulation-Education
Annual Plan of Work for the Minnesota Research and Development Center for Vocational Education.
MN8313101.
Articulation: Development and Implementation of Coordinated Guidance, Training, Placement, Youth Activities, and Follow-up Services among Business, Education and Government Agencies.
DE8313306.
Articulation Project for Engineering Technology Career Awareness.
TN8313213.
Articulation to Facilitate Mainstreaming for Vocational Special Needs Students.
NM8313102.
Continued Communication, Cooperation, and Coordination of Region 4 and Area 10 Vocational Delivery System.
IN8313203.
Coordination of the Implementation of Competency-based Education in Secondary Vocational Education Programs in Virginia.
VA8313105.
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IL8313202.
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WA8313102.
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KY8313210.
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VA8313202.
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NJ8313307.
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FL8313305.
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TX8313202.

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IL8313107.
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FL8313202.

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NJ8313306.

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KY8313301.
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MO8313102.
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KY8313308.
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KY8313305.
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MO8313303.
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IL8313115.
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KY8313311.
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KS8313201.

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NJ8313208.

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FL8313308.
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NJ8313306.
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AZ8313301.
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IN8313203.
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KY8313310.
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KY8313306.
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WA8313310.
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PA8313320.
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MT8313301.
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PA8313320.
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MA8313311.
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PA8313108.
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MA8313302.
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WY8313201.
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FL8313313.
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WA8313305.
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CT8313101.
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PA8313304.
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PA8313206.
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NJ8313206.
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GA8313311.
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MI8313302.
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PA8313318.
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PA8313319.
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Job-Descriptions
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KS8313208.
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NJ8313203.
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KY8313202.
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AR8313204.
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IN8313213.
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Trainable Mentally Retarded Program/Curriculum Development. PA8313323.
Universal Skills Survey. NJ8313206.
Vocational Education for Severely and Profoundly Retarded Persons: An Institutional Approach. NJ8313105.
Vocational-Technical Education Consortium of States (V-TECS) Catalog Development: Electromechanical (Robotics) Technician. PA8313318.
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Chicago Coalition—Education/Training/Employment. IL8313121.
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Design and Development of an Employability Skills Handbook. IN8313104.
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Development of a Curriculum for New and Expanding Occupation in the Parts Counter-Sales-Warehousing-Data Process Industry on the Postsecondary Level—Marketing and Distributive Education. KS8313302.
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Research and Curriculum Unit (Industrial Training Activities). MS313302.
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Vocational Education for Severely and Profoundly Retarded Persons: An Institutional Approach. NJ8313105.
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Labor-Supply
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Legal-Education

Computerized Legal Research.
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MA8313201.

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NJ8313303.

Development of Instructional Materials for Vocational Personnel Serving Students Who Are Speakers of Other Languages and Have Limited English Proficiency.
PA8313316.

Study of Limited English-speaking Ability Population of Kansas.
KS8313102.

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MA8313209.

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MA8313204.

Competency-based Vocational Curriculum—Machine Trades.
MA8313317.

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MA8313214.

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SC8313309.

Mainstreaming

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GA8313104.

Articulation to Facilitate Mainstreaming for Vocational Special Needs Students.
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PA8313122.

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PA8313118.

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- Competency-based Vocational Education Program (Continuation of 84-1804). PA8313205.
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- Occupational Employment Statistics Support. KS8313108.
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- A Study of Factors That Enhance or Impede the Delivery of Vocational Services to Youth and Adults in Virginia (Continuation). VA8313102.
- Business and Office Resource Center. CT8313302.
- Competency-based Curriculum—Trade and Industrial Education, Business Education, Home Economics, Marketing and Distributive Education. AZ8313302.
- Curriculum Development for The Tourism Option of the Hospitality and Restaurant Management Program. MO8313108.
- Development of a Curriculum for New and Expanding Occupation in the Parts Counter-Sales-Warehousing-Data Process Industry on the Postsecondary Level—Marketing and Distributive Education. KS8313302.
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- Development of Competency-based Learning Activities for Implementing Occupational Experiences Methodology in Distributive Education General and Specialized Marketing Courses. VA8313302.
- Distribution, Recordkeeping, and Storage of Center for Studies in Vocational Education Instructional Products. FL8313110.
- Implementation of Competency-based Education in Five Secondary Apparel and Accessories Marketing Programs. VA8313202.
- Implementation of Pilot Entrepreneurship Programs for High School and Adult Students in the Memphis City Schools. TN8313209.
- Marketing Curriculum Guides Dissemination. IL8313309.
- Marketing/Distributive/Cooperative Education. MT8313201.
- Planning Activities for Region 8: 1983-1984. IN8313202.
- Providing Marketing and Distributive Education to Small Rural Schools in Kansas through Independent Study. KS8313202.
- Recruitment in Marketing and Distributive Education. SC8313302.
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- Vocational Curriculum Task-Linkage for the Marketing and Distributive Education (MDE) Program in Georgia. GA8313311.

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- Curriculum Development for Connecticut Vocational-Technical School System. CT8313304.

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- Master Plan Study to Develop a Statewide System of Vocational Education Services for Kansas. KS8313110.

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- Arlington Competency-based Education Program (Continuation). VA8313201.
- Articulated Approach to Provide Necessary Inservice Training to Plan, Develop, and Implement Competency-based Vocational Education. PA8313326.
- Curriculum Development for Secondary and Postsecondary Programs. TX8313302.
- Curriculum Development for Vocational Industrial Education for Special Needs Students, Postsecondary Office Occupations, and Vocational Office Education. TX8313304.
- Design of Preliminary Curricula for High Technology Programs. GA8313307.
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- Development of Competency-based Learning Activities for Implementing Occupational Experiences Methodology in Distributive Education General and Specialized Marketing Courses. VA8313302.
- Industrial Arts Middle School Curriculum Guide. OR8313302.
- Maryland Vocational Curriculum Production Project. MD8313301.
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- Research and Curriculum Unit (Industrial Training Activities). MS313302.
- Technician Program for Micro/Minicomputers in Small Businesses and Industries. TX8313204.
- Updating of the Instructional Curricula in the Latest Technological Development in Computer Numeric Control (CNC) Machining Utilizing Mobile Equipment Facilities. WA8313323.
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- Competency-based Education Curriculum Development for Vocational Math. WV8313307.
- Identification of Mathematics and Science Competencies Required in Occupations within Vocational Programs. FL8313204.
- Incorporate Reading, Writing, Math, and Accountability Skills into Vocational Program Offerings—A Model Program. KS8313101.
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- Development and Implementation of a Math and Communication Program for Postsecondary Vocational-Technical Schools of Arkansas. AR8313202.

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- Broad-based Applied Technology Program for Secondary Schools. KS8313109.
- Career Awareness Program through Math: An Emphasis on Problem Solving and Computers. NJ8313305.

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Mechanical-Design-Technicians
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Mechanical-Skills
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Medical-Technologists
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Mental-Retardation
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Merchandising
A Model Competency-based Curriculum in General Merchandising. MA8313307.
A Model Competency-based Vocational Education (CBVE) Curriculum in General Merchandising. MA8313313.
Marketing Curriculum Guides Dissemination. IL8313309.

Metal-Working
Develop Two Vocational-Technical Education Consortium of States (V-TECS) Products. IL8313302.
Metals Cluster Guide Revision. OR8213309.

Microcomputers
A Microcomputer Model for the Illinois Data Reporting System. IL8313104.
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Comprehensive Program of Vocational Education. DE8313301.
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Multimedia of Vocational Education Courses: A Study of the Potential to Interface Microprocessor Control for Media Devices. IL8313106.
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Microelectronics
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Middle-Schools
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Migration
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Millwright
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Millwrights
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Minicomputers
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AR8313203.

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FL8313107.

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Arizona Vocational Education Effectiveness Study.
AZ8313102.

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NY8313103.

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OR8313102.

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WA8313335.

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FL8313311.

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FL8313307.

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MO8313107.

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IL8313122.

Skills for Adapting to Change, Their Potential Impact, and Suggested Policies for Implementing Them.
IL8313105.

South Carolina Vocational Education Relevancy Study.
SC8313103.

Teaching Basic Skills in Vocational Education Program for Jordan School District.
UT8313301.

Third Party Evaluation of the Vocational Information Materials Acquisition System (VIMAS).
FL8313107.

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GA8313101.

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WI8313104.

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GA8313308.

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VA8313201.

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VA8313105.

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WV8313202.

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WA8313335.

Dougherty Consumer Education Curriculum—Dougherty County.
GA8313305.

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WI8313102.

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AZ8313201.

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WA8313340.

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WA8313341.

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IN8313204.

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VA8313103.

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IL8313105.

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GA8313310.

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OR8313201.

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PA8313103.

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VA8313304.

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CA8313105.

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IN8313209.

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IN8313208.

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WY8313201.

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PA8313208.

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PA8313301.

Programed-Instructional-Materials

Consumer Education—Microcomputer Courseware Development and Implementation in the Homemaking Classroom.
TX8313206.

Multicultural/Bilingual Preparation for Industrial Arts Teachers.
TX8313102.

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MA8313318.

Applied Computer Programming Curriculum Development for Fisheries Technicians.
WA8313328.

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WV8313202.

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MA8313310.

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MA8313207.

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OR8313307.

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AZ8313103.

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OR8313202.

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AZ8313201.

Property-Accounting

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WV8313202.

Psychiatric-Aides

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MO8313302.

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NJ8313213.

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NJ8313203.

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NJ8313105.

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IL8313121.

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IN8313101.

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IN8313201.

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KY8313209.

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IL8313115.

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AR8313207.

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IL8313115.

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IN8313101.
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KY8313209.
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CT8313207.

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TN8313213.
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MO8313203.
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MO8313202.
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MO8313301.
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KY8313209.
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PA8313209.
Localized Vocational Education Promotion Package.
IN8313103.
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AR8313207.
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TX8313104.
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AZ8313103.
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TN8313214.

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NJ8313212.
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NJ8313205.
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NJ8313207.

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FL8313111.
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WI8313107.
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CA8313105.

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KY8313209.
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IL8313115.

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NJ8313302.

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KS8313101.
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OR8313301.

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WV8313204.
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FL8313110.
Field Test of Health Information Systems Software and Health Records Program.
WA8313337.
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WA8313333.
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WA8313341.
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FL8313302.
Summarizing High School Supervised Occupational Experience Program Records for Better Use in the Classroom Situation.
MO8313103.

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MO8313111.

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WA8313301.
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IL8313122.
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SC8313308.
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SC8313307.

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ND8313101.
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FL8313103.
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WI8313101.

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AR8313204.

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WA8313345.

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WA8313103.
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IN8313202.

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IN8313213.
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CT8313206.
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TX8313201.
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WA8313301.
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KS8313111.
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IN8313211.

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WA8313311.

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PA8313122.

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SC8313103.

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MN8313102.

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KS8313101.

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GA8313310.

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Systematic Teaching and Measuring Mathematics (STAMM)—Oconee County.
GA8313310.

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KY8313210.

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LA8313207.

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MA8313212.

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KS8313305.

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GA8313106.

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IL8313302.

Research

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WI8313105.

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IL8313123.

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Research-and-Development-Centers

Annual Plan of Work for the Minnesota Research and Development Center for Vocational Education.
MN8313101.

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FL8313114.

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FL8313113.

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WA8313322.

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FL8313204.

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NJ8313108.

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IN8313101.

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CT8313302.

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CT8313303.

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FL8313304.

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MI8313302.

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WI8313302.

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An Investigative Word Processing Training Program for Business Education Teachers in Louisiana Secondary Schools.
LA8313103.

Arkansas Vocational Curriculum Fair—EXPO '83: 'Tools of Our Trade.'.
AR8313108.

Arlington Competency-based Education Program (Continuation).
VA8313201.

Arlington Competency-based Education Program (Continuation).
VA8313203.

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NJ8313303.

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IN8313104.

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KS8313206.

Development of Competency-based Curriculum Materials for Distributive Education General and Specialized Marketing Courses.
VA8313301.

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VA8313101.

Development of Competency-based Learning Activities for Implementing Occupational Experiences Methodology in Distributive Education General and Specialized Marketing Courses.
VA8313302.

Inservice Training Proposal for Competency-based Vocational Education (Continuation of 84-1802).
PA8313312.

Maryland Vocational Curriculum Production Project.
MD8313301.

Prevocational Education Guide.
SC8313301.

Resource Center for Special Vocational Programs and Curriculum for Special Needs.
KY8313307.

The Massachusetts Vocational Curriculum Center.
MA8313301.

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TN8313212.

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GA8313310.

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KY8313309.

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MT8313201.

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OR8313105.

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PA8313210.

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MA8313202.

Retrofitting

Engine Retrofitting Kits for Alcohol Motor Fuels: High Technology Development, Optimization, and Field Demonstration.
IL8313123.

Robotics

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WA8313321.

Revision of Servomechanism Course To Include Robotics.
WA8313327.

Robotics/Electromechanics Curriculum Development.
OR8313307.

Vocational-Technical Education Consortium of States (V-TECS) Catalog Development: Electromechanical (Robotics) Technician.
PA8313318.

Role Evaluation

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IL8313102.

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FL8313111.

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MA8313219.

Rural-Development
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IL8313107.

Rural-Education
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KS8313202.

Safety-Education
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WV8313301.

Salaries
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NY8313104.

Sales-Occupations
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KS8313302.
Vocational-Technical Education Consortium States (V-TECS) Guide—Fashion Salesperson.
SC8313306.

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WA8313344.

Satellite-Facilities
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VA8313304.

Scheduling
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PA8313107.
Scheduling Methods to Insure Uniform Clinical Experiences.
WA8313346.

School-Activities
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IN8313103.

School-Administration
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OR8313101.

School-Attitudes
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GA8313106.

School-Buses
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IL8313109.

School-Business-Relationship
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IL8313121.
Computerized Job Development/Job Placement.
KS8313209.
Computerized Job Development/Job Placement.
KS8313208.
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KS8313207.
Cooperative Vocational Education for Postsecondary.
AR8313105.
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IN8313201.
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CT8313204.
Emerging High Technology—Opportunities in Connecticut.
CT8313101.
Expanding the Role of Education Institutions in the Small Business Expansion Process.
PA8313209.
Handbook for Ecomonic Development Support (Continuation of 83-2002).
PA8313109.
Linkage for Apprenticeship Training (LAT).
IL8313111.
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AR8313102.
Model Collaborative Economic Development Project for Community Colleges.
IL8313117.
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OR8313105.
Postsecondary/High Technology Planning: Program and Vocational School Model Development.
KY8313105.
School Industry Linkages: Integration of Proficiency Profiles and Quality Circles.
NJ8313207.
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OR8313104.
The Northern Illinois Management Model for Employment Training and Economic Development.
IL8313113.
Unity for a Quality Vocational Education Delivery System for the Metropolitan Nashville Community.
TN8313202.
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IL8313102.
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IN8313209.
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IN8313210.
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IN8313207.

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KY8313105.

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AR8313208.

School-Community-Relationship
An Analysis and Synthesis of the Perceptions of Selected Secondary School Counselors of the American School Counselor Association Regarding Community Linkages in Career Education.
PA8313119.
Developing the Marketing of the Adult College Re-entry Network at Mineral Area College.
MO8313111.
Handbook for Ecomonic Development Support (Continuation of 83-2002).
PA8313109.
Model Collaborative Economic Development Project for Community Colleges.
IL8313117.
Public and Community Awareness in Vocational Education (Continuation).
AR8313207.

School-Counselors
A Counselor Training Program To Reduce Sex Stereotyping and Bias in Vocational Education for Louisiana Schools.
LA8313202.
A Secondary School/AVTS Cooperative Careers Guidance Project Based on the Assessed Needs of High School Juniors.
KS8313203.
An Analysis and Synthesis of the Perceptions of Selected Secondary School Counselors of the American School Counselor Association Regarding Community Linkages in Career Education.
PA8313119.
Arkansas Vocational Curriculum Fair—EXPO '83: 'Tools of Our Trade.'.
AR8313108.
Guidance Services in Postsecondary Vocational-Technical Schools (Continuation).
AR8313204.
Identification, Classification, and Comparison of the Work Performance Requirements and Actual Work Performance of Counselors of Area Vocational-Technical Schools in Pennsylvania.
PA8313101.
The Transitional Year—A Systematic Approach to Career Placement (Continuation).
AR8313208.

School-Districts
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AK8313201.
FY 1983 Vocational Curriculum Inservice, Development, and Dissemination.
KS8313307.
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FL8313302.
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IL8313115.

School-Holding-Power
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MO8313101.
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KY8313206.

Identification of Recruitment Barriers to Vocational Training Program Perceived by Students, Teachers, Counselors, and Administrators in Selected Florida Schools.
FL8313201.

Identification of Strategies To Increase Retention of Disadvantaged Students in Nontraditional Programs in Florida.
FL8313115.

Occupational Proficiency Training (OPT) Programs.
GA8313106.

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NJ8313212.

Student Organization Responsiveness for Dropout Prevention.
KY8313204.

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PA8313209.

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NM8313102.

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A Study of the Validity of Admissions Criteria Used in Secondary Vocational Schools in Massachusetts.
MA8313101.

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WI8313102.

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NJ8313102.

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MA8313203.

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LA8313104.

School-Visitation

An Articulated Approach for Inservice Training to Plan, Develop, and Implement Competency-based Vocational Education (Continuation of 85-1809).
PA8313105.

Articulated Approach to Provide Necessary Inservice Training to Plan, Develop, and Implement Competency-based Vocational Education.
PA8313326.

Science-Education

Broad-based Applied Technology Program for Secondary Schools.
KS8313109.

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FL8313204.

Scripts

Audiovisual Materials for the Disadvantaged.
FL8313308.

Ornamental Horticulture—Audiovisual Material.
SC8313304.

Secondary-School-Students

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PA8313324.

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KY8313311.

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WA8313325.

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AR8313206.

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NM8313201.

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NJ8313211.

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MO8313203.

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NJ8313104.

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Career Development Program—Grades K-10.
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Career Development Program—Grades K-10.
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WA8313330.

Severe-Mental-Retardation

Vocational Education for Severely and Profoundly Retarded Persons: An Institutional Approach.
NJ8313105.

Sewing-Instruction

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WA8313309.

Sex-Bias

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LA8313102.

Sex Stereotyping and Sex Bias: A Study of Educators' Attitudes Regarding Vocational Home Economics Programs.
LA8313104.

Sex-Fairness

A Counselor Training Program To Reduce Sex Stereotyping and Bias in Vocational Education for Louisiana Schools.
LA8313202.

Audiovisual Materials for the Disadvantaged.
FL8313308.

Identification of Strategies To Increase Retention of Disadvantaged Students in Nontraditional Programs in Florida.
FL8313115.

Improving Equal Access in Vocational Education.
KY8313203.

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NJ8313102.

Research and Curriculum Unit (Curriculum Development).
MS8313301.

Sex Equity Workshop Training Film on Career and Vocational Opportunities for Urban Youth.
CT8313202.

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LA8313205.

Sex-Role

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LA8313104.

Sex-Stereotypes

Career Awareness Program through Math: An Emphasis on Problem Solving and Computers.
NJ8313305.

Sex Stereotyping and Sex Bias: A Study of Educators' Attitudes Regarding Vocational Home Economics Programs.
LA8313104.

Shared-Services

Small School Vocational Cooperative Project—Organization and Implementation.
WA8313302.

Shipbuilding

Curriculum Development for Connecticut Vocational-Technical School System.
CT8313304.

Shipping Inventory

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OR8313301.

Shop-Curriculum

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NJ8313102.

Shorthand
The Duplication, Loading, Labeling, Boxing and Packaging for Shipment 30 Complete Sets of the Individualized Shorthand Theory Program.
GA8313302.

Simulation
Computerized Catalyst Controlled Combustion Simulator.
MO8313112.
Improve Diagnostic Skills of Auto-Diesel Students by Using Computer Simulation.
OR8313103.
Microcomputer Integration in the Technology Curricula.
NJ8313210.
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WA8313320.
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GA8313309.

Simulations
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MT8313201.

Site-Analysis
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PA8313209.
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KY8313203.

Skill-Analysis
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WV8313301.
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GA8313307.
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OR8313307.
The Development of Strategies and Procedures for Assessing the Generalizable Skills of Students in Secondary Vocational Programs.
IL8313108.
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NJ8313204.

Skill-Development
A Microcomputer Model for the Illinois Data Reporting System.
IL8313104.
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PA8313313.
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GA8313102.
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LA8313204.
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FL8313307.
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IL8313107.
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IL8313101.
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IL8313109.
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MA8313206.
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IL8313110
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DE8313305.
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NJ8313212.
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OR8313307.
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ID8313201.
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PA8313210.
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IL8313105.
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MA8313202.

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The ABLE Connection.
OR8313104.

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Competency-based Vocational Education (CBVE) Adoption Process.
FL8313202.
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SC8313309.
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KY8313301.
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MO8313102.
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MO8313110.
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KY8313309.
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KY8313308.
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KY8313305.
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MO8313303.
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NJ8313208.
Revision of Two Competency-based Vocational Education Curriculum Packages.
KY8313311.
Slide-tape Presentation on the Changing Office and Changing Business Curriculum.
KS8313201.

Small Business Management
Small Business Ownership and Management.
KY8313302.

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PA8313209.
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WA8313333.
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WA8313343.

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TX8313205.

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CT8313305.

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Educational Model to Facilitate Deinstitutionalization and the Assumption of the Normal Societal Role of Worker for Emotionally Disabled Citizens.
NJ8313213.

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CT8313102.

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PA8313206.

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DE8313304.
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VA8313307.
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NJ8313203.
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TX8313104.

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TN8313211.

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WI8313302.

Special Needs Students
A Workshop Series to Train Vocational Teachers in Mainstreaming Special Needs Students.
GA8313104.
Basic Vocational Language and Skills Training Program.
MA8313201.
Developing Inservice Brochures Designed To Prepare the Vocational Educator Academically and Attitudinally To Work with Handicapped Students.
PA8313322.
Development of Vocational Education Special Needs Standards of Excellence.
WY8313202.
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MA8313215.

Experience-based Career Education.
MA8313215.

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MA8313206.

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MA8313214.

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PA8313323.

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WA8313311.

Staff-Development

Competency-based Vocational Education Program (Continuation of 84-1804).
PA8313205.

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WY8313201.

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PA8313122.

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CT8313301.

Project BASICS (Building Attitudes and Skills for Improved Career Success).
TX8313201.

Teacher Inservice Program to Implement Competency-based Vocational Education (Continuation of 85-1802).
PA8313303.

Technical Assistance—Staff Development for Competency-based Vocational Education.
MA8313316.

Staff-Utilization

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WY8313201.

Standards

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FL8313116.

Development of Vocational Education Special Needs Standards of Excellence.
WY8313202.

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Indiana Vocational Education Data System.
IN8313102.

State-Of-The-Art-Reviews

Vocational Education's Role(s) in Economic Revitalization.
IL8313102.

State-Programs

Admission Standards Development for Postsecondary Vocational Education.
KY8313106.

Development and Implementation of a Delivery System to Prepare Inmates from Correctional Institutions to Re-enter Home and Parenting Situations.
KS8313206.

Schools to Tell the Arizona Vocational Education Story: Project V.E.R.S.O.S. Sky-12 Visits Arizona.
AZ8313103.

Special Studies for Vocational Education (Continuation).
FL8313113.

Third Party Evaluation of the 1982 State Vocational In-Service Conference.
GA8313101.

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OK8313308.

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OK8313306.

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OK8313307.

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OK8313304.

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OK8313303.

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FL8313305.

Machine Shop 2.
OK8313302.

Machine Shop 2 LAPS.
OK8313305.

Machine Shop 3.
OK8313310.

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OK8313309.

New Jersey Standards for Industrial Arts Programs.
NJ8313304.

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OK8313301.

Revise and Update the Kansas Nursing Home Aide Curriculum.
KS8313304.

Vocational Education Curriculum Development Satellite Project.
VA8313304.

State-Surveys

Statewide Needs Assessment—Executive Summary.
WY8313101.

Statewide-Planning

Master Plan Study to Develop a Statewide System of Vocational Education Services for Kansas.
KS8313110.

Statistical-Analysis

Follow-up Evaluation Project—MOVE.
FL8313206.

Mississippi Occupational Projects Update for Thirteen Junior College Districts 1980-90.
MS8313102.

Stress-Variables

Factors Influencing Vocational Teacher Change and Implications for Teacher Education Curricula.
LA8313106.

Student Accounting System

Barriers to Student Completion of Vocational Programs.
OK8313101.

Student-Attitudes

A Counselor Training Program To Reduce Sex Stereotyping and Bias in Vocational Education for Louisiana Schools.
LA8313202.

Vocational Assessment of Computer Aptitudes.
NJ8313204.

Student-Attrition

Identification of Recruitment Barriers to Vocational Training Program Perceived by Students, Teachers, Counselors, and Administrators in Selected Florida Schools.
FL8313201.

Project COPS: Phase II.
NJ8313212.

Student-Certification

Updating of the Curricula for Data Processing Computer Operation Technician Certificate Course.
WA8313331.

Student-Characteristics

South Carolina Vocational Education Relevancy Study.
SC8313103.

Student-Development

Improving Disadvantaged Students' Basic Communication Skills through a Student Response Hands-on Program.
LA8313207.

Student-Employment

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FL8313206.

Student-Evaluation

A Conceptual Model for Assessing Student Performance in Occupational Education Programs.
GA8313308.

A Microcomputer Model for the Illinois Data Reporting System.
IL8313104.

Develop and Pilot Methods and Instruments to Evaluate Skill Competencies of Occupation Home Economic Education Students at the Secondary and Postsecondary Level.
KS8313205.

Follow-up Evaluation Project—MOVE.
FL8313206.

Project VOICE (Vocational Interpretation and Curriculum Enrichment).
TN8313204.

The Development of Strategies and Procedures for Assessing the Generalizable Skills of Students in Secondary Vocational Programs.
IL8313108.

Student-Evaluation-Of-Teacher-Performance

Digital Control Technology, Phase 2.
WA8313335.

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AL8313205.

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NJ8313204.

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Patoka Valley Vocational Cooperative (District #47).
IN8313204.

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KY8313206.

Student Organization Responsiveness for Dropout Prevention.
KY8313204.

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Student Organization Responsiveness for Dropout Prevention.
KY8313204.

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MO8313101.

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NJ8313203.

Fayette County Vocational Assessment Center for the Handicapped.
KY8313202.

Vocational Education for Severely and Profoundly Retarded Persons: An Institutional Approach.
NJ8313105.

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CA8313101.

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PA8313303.

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SC8313305.

Identification of Recruitment Barriers to Vocational Training Program Perceived by Students, Teachers, Counselors, and Administrators in Selected Florida Schools.
FL8313201.

Recruitment in Marketing and Distributive Education.
SC8313302.

Slide-tape Presentation on the Changing Office and Changing Business Curriculum.
KS8313201.

Technical Skills for the Eighties.
MA8313205.

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School Industry Linkages: Integration of Proficiency Profiles and Quality Circles.
NJ8313207.

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WA8313341.

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KS8313202.

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KY8313106.

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An Analysis of Selected Technology Curriculum Materials for Exploratory Industrial Arts Programs.
TX8313203.

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WA8313337.

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PA8313320.

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WA8313320.

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KY8313208.

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TX8313303.

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MA8313201.

Development of Guidelines for the Summer Phase of Vocational Agriculture Programs.
LA8313303.

Supervised Occupational Experience Programs

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KS8313103.

Supervised Occupational Programs

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IL8313116.

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CA8313104.

Vocational Studies Center—Research Component.
WI8313104.

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PA8313102.

Surgical-Technicians

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CT8313304.

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AZ8313102.

Basic Consumable and Resalable Supplies Used in Agricultural Production Mechanics Laboratories.
PA8313102.

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MO8313113.

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KS8313108.

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MO8313106.

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CA8313105.

Systems-Analysis

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MO8313114.

Systems-Development

Cooperative Vocational Education: An Alternative Delivery System for Small Schools.
TX8313205.

Postsecondary/High Technology Planning: Program and Vocational School Model Development.
KY8313105.

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TN8313204.

Project 1995: A Comprehensive Management Plan for Vocational Education in Arizona.
AZ8313101.

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NJ8313204.

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AL8313203.

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Gifted and Talented Students in Vocational Education—A Policy Development Study.
IL8313101.

Task-Analysis

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OK8313308.

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OK8313306.

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OK8313307.

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PA8313121.

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OK8313304.

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VA8313301.

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OK8313303.

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KY8313309.

Machine Shop 2.
OK8313302.

Machine Shop 2 LAPS.
OK8313305.

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OK8313310.

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OK8313301.

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IN8313205.

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PA8313318.

Vocational-Technical Education Consortium of States (V-TECS) Catalog Development: Laser Technician.
PA8313319.

Teacher-Aides

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TX8313104.

Teacher-Attitudes

An Articulated Approach for Inservice Training to Plan, Develop, and Implement Competency-based Vocational Education (Continuation of 85-1809).
PA8313105.

Computer Literacy Development.
LA8313105.

Sex Stereotyping and Sex Bias: A Study of Educators' Attitudes Regarding Vocational Home Economics Programs.
LA8313104.

Teaching Basic Skills in Vocational Education Program for Jordan School District.
UT8313301.

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GA8313103.

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KS8313107.

Teacher-Educators

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FL8313106.

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KS8313107.

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LA8313106.

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PA8313105.

Trade and Industry Technical Skill Examinations Assessment.
SC8313104.

Vocational Testing Service for the Assessment of Teacher and Student Competencies.
GA8313103.

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An Articulated Approach for Inservice Training to Plan, Develop, and Implement Competency-based Vocational Education (Continuation of 85-1809).
PA8313105.

Skill Update Needs Assessment for Georgia Technical Education Teachers.
GA8313315.

Teacher-Recruitment

Faculty Profile: Postsecondary Occupational Education.
NY8313102.

Teacher-Response

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LA8313106.

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KS8313204.

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GA8313104.

An Articulated Approach for Inservice Training to Plan, Develop, and Implement Competency-based Vocational Education (Continuation of 85-1809).
PA8313105.

Annual Plan of Work for the Minnesota Research and Development Center for Vocational Education.
MN8313101.

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LA8313105.

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AR8313107.

Development of a Set of Curriculum Materials for the Implementation of an Instructional Strategy for Teaching Basic Mechanical Skills in Exploratory Vocational Agriculture Classes (Continuation).
AR8313109.

Development of Competency-based Learning Activities for Implementing Occupational Experiences Methodology in Distributive Education General and Specialized Marketing Courses.
VA8313302.

Dissemination of Project 82-133-600-1.
MO8313701.

Model to Support Curriculum and Program Implementation Which Addresses Priority Issues Impacting upon Vocational Home Economics in Montana.
MT8313301.

New Jersey Standards for Industrial Arts Programs.
NJ8313304.

Project To Improve or Upgrade and Train New Vocational Educators.
IL8313119.

Supervised Occupational Experience Update Workshop for Illinois Vocational Agriculture Instructors.
IL8313116.

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DE8313308.

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AL8313205.

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A Model Competency-based Curriculum in Electronics Technology for Teachers of Vocational Education.
MA8313304.

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MA8313307.

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MA8313305.

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MA8313312.

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MA8313309.

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MA8313314.

A Model Competency-based Vocational Education (CBVE) Curriculum in Food Management, Production and Services.
MA8313308.

A Model Competency-based Vocational Education (CBVE) Curriculum in General Merchandising.
MA8313313.

A Model Competency-based Vocational Education (CBVE) Curriculum in Hotel and Lodging.
MA8313315.

A Model Competency-based Vocational Education (CBVE) Curriculum To Train Health Assistants.
MA8313311.

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VA8313201.

Competency-based Education (CBE). Curriculum Development of a Core Curriculum for Health Assistants.
WV8313305.

Completion of Model Competency-based Vocational Education Curricula in the Area of Food Management, Production, and Services.
MA8313302.

Curriculum Development: Develop and Field-test Guidelines on the Use of Microcomputers in Vocational Classrooms.
KS8313301.

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TX8313302.

Curriculum for Early Childhood Programs—Phase 2.
WA8313345.

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KY8313301.

Development of a Teacher's Guide to Occupational Survival Skills.
NJ8313211.

Development of Apprenticeship-related Training Curriculum for Maintenance Millwright, Stationary Engineer, and Low Voltage Systems Installers.
OR8313304.

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VA8313301.

Development of Competency-based Instructional Resource Guides for Selected Trade and Industrial Program Areas.
VA8313101.

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VA8313302.

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WA8313339.

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KY8313303.

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KY8313310.

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VA8313303.

Field Review of Retailing 1, 2 and 3.
KY8313309.

Field Test Health Services Modules.
KY8313308.

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Food Preparation Worker 2.
KY8313304.
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WA8313336.
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IL8313306.
Implementation of Competency-based Education in Five Secondary Apparel and Accessories Marketing Programs.
VA8313202.
Maryland Vocational Curriculum Production Project.
MD8313301.
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MD8313302.
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TX8313301.
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KY8313306.
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NJ8313208.
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TN8313211.
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MS313302.
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NJ8313108.
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KY8313311.
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WA8313330.
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WA8313331.

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Adapt and Review Methods, Materials, and Curriculum for Integrating Entrepreneurship Concepts into Occupational Home Economics Education Programs.
KS8313306.
An Articulated Approach for Inservice Training to Plan, Develop, and Implement Competency-based Vocational Education (Continuation of 85-1809).
PA8313105.
An Investigative Word Processing Training Program for Business Education Teachers in Louisiana Secondary Schools.
LA8313103.
Articulation to Facilitate Mainstreaming for Vocational Special Needs Students.
NM8313102.
Cooperative Vocational Education for Postsecondary.
AR8313105.
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KS8313103.
Develop Two Vocational-Technical Education Consortium of States (V-TECS) Products.
IL8313302.
Developing Inservice Brochures Designed To Prepare the Vocational Educator Academically and Attitudinally To Work with Handicapped Students.
PA8313322.
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AR8313109.
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VA8313301.
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AR8313103.
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CA8313301.
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MS313302.
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DE8313308.
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KS8313107.

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IL8313119.

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FL8313303.
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TX8313201.
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KY8313208.
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NJ8313107.
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OR8313201.
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MA8313301.

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Articulation Project for Engineering Technology Career Awareness.
TN8313213.
Broad-based Applied Technology Program for Secondary Schools.
KS8313109.
Curriculum Development for Connecticut Vocational-Technical School System.
CT8313304.
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WA8313304.
Determining the Economic Returns on Investment in Selected Occupational Education Programs at Postsecondary Institutions.
NY8313104.
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FL8313116.
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KY8313210.
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WA8313315.
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MS8313301.
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FL8313301.
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SC8313104.
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IL8313301.
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TN8313214.

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VA8313106.

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TN8313214.

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TN8313213.

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WA8313315.

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MA8313202.

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WA8313328.

Technological-Advancement

Academically Able Exploring Vocations in Emerging and New Technologies (AA-EVENT).
TN8313207.
Continuation of a Program to Develop Competency-based Vocational Education in the Two Area Vocation Technical Schools of Chester County (Continuation of 85-2004).
PA8313306.
Education/Industrial Collaborative: High Technology Job Research and Curriculum/Training Program Development.
CT8313305.

Emerging High Technology—Opportunities in Connecticut.
CT8313101.

Influence of Recent Developments in Computer Technology on Professional Development in Vocational Education.
PA8313113.

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TN8313213.

Broad-based Applied Technology Program for Secondary Schools.
KS8313109.

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CT8313305.

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WI8313107.

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Economic Development—A Five-year Plan.
WI8313102.

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PA8313113.

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TX8313202.

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CT8313304.

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IL8313115.

Schools to Tell the Arizona Vocational Education Story: Project V.E.R.S.O.S. Sky-12 Visits Arizona.
AZ8313103.

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PA8313106.

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PA8313112.

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SC8313105.

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SC8313104.

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SC8313105.

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FL8313306.

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KS8313205.

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SC8313105.

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SC8313104.

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AR8313204.

Tests

Develop and Pilot Methods and Instruments to Evaluate Skill Competencies of Occupation Home Economic Education Students at the Secondary and Postsecondary Level.
KS8313205.

Vocational Assessment of Computer Aptitudes.
NJ8313204.

Textbook-Content

Kansas Information and Word Processing Curriculum Guide Update.
KS8313303.

Textbook-Evaluation

Farm Management Instructional Material Evaluation.
SC8313102.

Time-Factors

Development of a Model for the Establishment of Program and Facility Standards for Competency-based Education and Competency-based Technical Education.
FL8313116.

Tourism

Curriculum Development for The Tourism Option of the Hospitality and Restaurant Management Program.
MO8313108.

Trade-and-Industrial-Education

Competency-based Curriculum—Trade and Industrial Education, Business Education, Home Economics, Marketing and Distributive Education.
AZ8313302.

Curriculum Development for Connecticut Vocational-Technical School System.
CT8313304.

Curriculum Development for Trades and Industries.
WA8313304.

Development of Competency-based Instructional Resource Guides for Selected Trade and Industrial Program Areas.
VA8313101.

Research and Curriculum Unit (Curriculum Development).
MS8313301.

Supplemental Support Services for Industrial Technical Vocational Education Programs.
FL8313301.

Supplemental Support Services for Industrial Technical Vocational Education Programs.
FL8313310.

Vocational Curriculum Materials Dissemination Center.
NM8313302.

Vocational Reading Curriculum for Employment Orientation.
NJ8313302.

Trade-and-Industry-Education

Trade and Industry Technical Skill Examinations Assessment.
SC8313104.

Traffic-Control

Development of the Vocational-Technical Education Consortium of States (V-TECS) Catalog for Shipping and Receiving Workers.
OR8313301.

Traffic Manager

Development of the Vocational-Technical Education Consortium of States (V-TECS) Catalog for Shipping and Receiving Workers.
OR8313301.

Training-Methods

Cooperative Vocational Education for Postsecondary.
AR8313105.

Linkage for Apprenticeship Training (LAT).
IL8313111.

Sex Equity Workshop Training Film on Career and Vocational Opportunities for Urban Youth.
CT8313202.

Training-Skills

An Articulated Approach for Inservice Training to Plan, Develop, and Implement Competency-based Vocational Education (Continuation of 85-1809).
PA8313105.

Transfer-of-Training

Vocational Education for Severely and Profoundly Retarded Persons: An Institutional Approach.
NJ8313105.

Transportation

Illinois Plan for Industrial Education.
IL8313124.

Transportation Instructors Workshop.
DE8313308.

Trend-Analysis

Analysis of Traditional and Nontraditional Enrollment and Follow-up in Oklahoma.
OK8313102.

Tutorial-Programs

Dropout Prevention in Hart County.
KY8313206.

Tutoring

Dropout Prevention Program in Russell County.
KY8313207.

Two-Year-Colleges

Determining the Economic Returns on Investment in Selected Occupational Education Programs at Postsecondary Institutions.
NY8313104.

Mississippi Occupational Projects Update for Thirteen Junior College Districts 1980-90.
MS8313102.

Units-Of-Study

Development of a Model Prevocational Program.
AL8313202.

Revision of Curriculum for the Digital Electronics Program.
WA8313321.

Unskilled-Workers
Job Training for Adults Coupled with Occupationally Specific English as a Second Language.
NJ8313201.

Urban-Areas
Skills Training Alternative in Vocational Education.
MA8313203.

Urban-Population
Job Training for Adults Coupled with Occupationally Specific English as a Second Language.
NJ8313201.

Utilities
Grant Award for Audiovisual Materials for Oil and Gas Orientation Curriculum.
WV8313306.

Values
Project SAVE (Skills, Attitudes, Values Essential for Employment).
NJ8313106.

Ventilation
Direct Assistance for Competency-based Vocational Education (Continuation of 84-1806).
PA8313208.

Video-Equipment
Multimedia of Vocational Education Courses: A Study of the Potential to Interface Microprocessor Control for Media Devices.
IL8313106.

Videotape-Cassettes
Innovative Associate Degree Nursing Program—Remote Area.
TX8313202.
Oregon Electronics Worksite Training Project.
OR8313105.
Schools to Tell the Arizona Vocational Education Story: Project V.E.R.S.O.S. Sky-12 V[illegible]s Arizona.
AZ8313103.

Videotape-Recordings
Curriculum Development for Secondary and Postsecondary Programs.
TX8313302.
Production and Dissemination of Promotional Materials for Vocational Education at the Local Level.
IL8313115.
Project Follow-up.
NJ8313208.
Surmounting Architectural Barriers to the Handicapped in Vocational Education.
IL8313201.

Visual-Impairments
Developing Inservice Brochures Designed To Prepare the Vocational Educator Academically and Attitudinally To Work with Handicapped Students.
PA8313322.
Intensive Evaluation and Training for Independent Living.
NM8313201.

Vocabulary-Development
Job Training for Adults Coupled with Occupationally Specific English as a Second Language.
NJ8313201.

Vocational Education Curriculum Development.
MO8313304.

Vocational-Aptitude
Vocational Preparation for the Adult Handicapped.
KY8313201.

Vocational Education Data System
Vocational Data Collection and Follow-up Studies.
DE8313101.

Vocational Education Reporting System
Vocational Education Reporting System (VERS) Management Project.
VA8313104.

Vocational-Education-Teachers
Arkansas Vocational Curriculum Fair—EXPO '83: 'Tools of Our Trade.'.
AR8313108.
Center for Vocational, Technical and Adult Education—XII.
WI8313103.
Context Evaluation and Status Study of Vocational Education in Florida (Continuation).
FL8313105.
Development of Competency-based Horticultural Instructional Materials for Handicapped Students.
PA8313321.
Illinois Core Curriculum in Agriculture.
IL8313306.
Influence of Recent Developments in Computer Technology on Professional Development in Vocational Education.
PA8313113.
Multimedia of Vocational Education Courses: A Study of the Potential to Interface Microprocessor Control for Media Devices.
IL8313106.
Project SSAVE: Special Student Access to Vocational Education.
TN8313211.
Project To Improve or Upgrade and Train New Vocational Educators.
IL8313119.
Review and Update Contents of Drafting Curriculum Guides.
MO8313106.
Skill Update Needs Assessment for Georgia Technical Education Teachers.
GA8313315.
Teacher Release Time During the School Day to Improve Curriculum (Continuation of 85-2002).
PA8313203.
Teaching Basic Skills in Vocational Education Program for Jordan School District.
UT8313301.
The ABLE Connection.
OR8313104.
Vocational and Occupational Information Center for Educators (VOICE) Dissemination System Service.
CA8313103.

Vocational-Evaluation
Vocational Assessment System.
AL8313203.

Vocational-Followup
Develop a Computer Program To Process Students and Follow-up Data.
WV8313201.
Digital Control Technology, Phase 2.
WA8313335.
Follow-up Evaluation Project—Part 2.
FL8313312.
Jobs for Bay State Graduates.
MA8313209.
Jobs for Bay State Graduates.
MA8313211.
Jobs for Bay State Graduates.
MA8313212.
Jobs for Bay State Graduates.
MA8313213.
Jobs for Bay State Graduates.
MA8313210.

Vocational Information Materials Acquisitions System
Third Party Evaluation of the Vocational Information Materials Acquisition System (VIMAS).
FL8313107.

Vocational-Maturity
Developing and Disseminating an Activity-based Learning Experience Booklet for Student Self-development in Career Orientation (Continuation).
AR8313206.

Vocational-Schools
Clark County Vocational Skills Center Project.
WA8313301.
Development and Implementation of a Math and Communication Program for Postsecondary Vocational-Technical Schools of Arkansas.
AR8313202.
Funding Alternatives for Area Vocational Schools in Kansas.
KS8313111.
Guidance Services in Postsecondary Vocational-Technical Schools (Continuation).
AR8313204.
Identification of Recruitment Barriers to Vocational Training Program Perceived by Students, Teachers, Counselors, and Administrators in Selected Florida Schools.
FL8313201.
Improving Equal Access in Vocational Education.
KY8313203.
Innovative Vocational Education Delivery System.
IL8313109.
Public and Community Awareness in Vocational Education (Continuation).
AR8313207.

Vocational Technical Education Consortium States
Continuation of Vocational-Technical Education Consortium of States (V-TECS).
FL8313313.
Development of the Vocational-Technical Education Consortium of States (V-TECS) Catalog for Shipping and Receiving Workers.
OR8313301.
Technical Assistance and Quality Control for Performance-based Training.
IN8313205.
Vocational-Technical Education Consortium of State (V-TECS) Membership (Consortium of 93-2009).
PA8313301.
Vocational-Technical Education Consortium of States (V-TECS).
IL8313301.

Wages
Analysis of Traditional and Nontraditional Enrollment and Follow-up in Oklahoma. OK8313102.

Warehouses
Development of a Curriculum for New and Expanding Occupation in the Parts Counter-Sales-Warehousing-Data Process Industry on the Postsecondary Level—Marketing and Distributive Education. KS8313302.

Welding
Curriculum Development for Connecticut Vocational-Technical School System. CT8313304.
Direct Assistance for Competency-based Vocational Education (Continuation of 84-1806). PA8313208.
Revision of Two Competency-based Vocational Education Curriculum Packages. KY8313311.

Word-Processing
An Investigative Word Processing Training Program for Business Education Teachers in Louisiana Secondary Schools. LA8313103.
Develop Input Activities for Use as Instructional Materials for Training Text-editing Operators. MO8313114.
Development of Desktop Computer Software Courses. WA8313339.
Individualized Instruction for Word Processing. WA8313313.
Kansas Information and Word Processing Curriculum Guide Update. KS8313303.
Updating Data Processing/Office Machine Courses with Microcomputer. LA8313203.

Work Analysis Specialist
Work Analysis Specialist. IN8313208.
Work Analysis Specialist. IN8313210.
Work Analysis Specialist. IN8313209.
Work Analysis Specialist Project. IN8313207.

Work-Attitudes
Development of a Teacher's Guide to Occupational Survival Skills. NJ8313211.
Extended Environmental Maintenance Program for Handicapped Students. NJ8313203.
Jobs for Bay State Graduates. MA8313211.
Jobs for Bay State Graduates. MA8313210.
Jobs for Bay State Graduates. MA8313213.
Jobs for Bay State Graduates. MA8313209.
Jobs for Bay State Graduates. MA8313212.

Work-Environment
Development of a Teacher's Guide to Occupational Survival Skills. NJ8313211.

Work-Experience
Enhancing Students' Learning Activities in Computer Maintenance Electronics Field Experiences with Computer Terminal Servicing. LA8313204.

Work-Experience-Programs
Career Appraisals. CT8313205.
Cooperative Project Eyelet Industry. CT8313203.
Cooperative Work Experience/Diversified Occupations Resource Center. CT8313303.
Diversified Health Facility Careers Program. CT8313204.
Dropout Prevention in Hart County. KY8313206.
Establishing Cooperative High School Work Experience Arrangements with Public and Private Agencies in Training and Placing Home and Health Care Aides into Employment. NJ8313202.
Intensive Evaluation and Training for Independent Living. NM8313201.
Occupational Food Service Program. CT8313201.
Updating of Work Experience Program Guide. OR8313[illegible]03.
Vocational Agriculture Supervised Occupational Experience Program Handbook. KS8313107.

Work-Processing
Statewide Curriculum Development Project. NJ8313308.

Work-Study-Programs
Extended Environmental Maintenance Program for Handicapped Students. NJ8313203.

Workshops
A Counselor Training Program To Reduce Sex Stereotyping and Bias in Vocational Education for Louisiana Schools. LA8313202.
Articulation to Facilitate Mainstreaming for Vocational Special Needs Students. NM8313102.
Developing the Marketing of the Adult College Re-entry Network at Mineral Area College. MO8313111.
Dissemination and Continuation of the Work Again Project. MO8313203.
Dissemination of a Farm Business Management Analysis (FMBA) Program for Adult and Young Farmers in Vocational Agriculture Programs in Missouri. MO8313202.
Expansion of the Competency-based Vocational Education Project to Design Student Learning Guides. KS8313204.
Production and Dissemination of Promotional Materials for Vocational Education at the Local Level. IL8313115.
Sex Equity Workshop Training Film on Career and Vocational Opportunities for Urban Youth. CT8313202.
Vocational Education Reporting System (VERS) Management Project. VA8313104.

Writing-Skills
Incorporate Reading, Writing, Math, and Accountability Skills into Vocational Program Offerings—A Model Program. KS8313101.

APPENDIX A

FY 1983 STATE-ADMINISTERED PROGRAM IMPROVEMENT PROJECTS BY STATE AND FUNDING SECTION

FY 1983 STATE-ADMINISTERED PROGRAM IMPROVEMENT PROJECTS

	Sec. 131 (Research)		Sec. 132 (Exemplary)		Sec. 133 (Curriculum)		TOTALS	
	No. of Projects	Amount	No. of Projects	Amount	No. of Projects	Amount	No. of Projects	Amount
Alabama	0	--	7	45,165	0	--	7	45,165
Alaska	0	--	1	15,000	0	--	1	15,000
Arizona	3	186,983	2	47,000	2	70,000	7	303,983
Arkansas	7	143,857	8	215,633	0	--	15	359,490
California	5	336,418	0	--	1	20,000	6	356,418
Colorado	0	--	0	--	0	--	0	--
Connecticut	2	64,920	8	209,010	5	55,325	15	329,255
Delaware	3	71,950	1	2,871	8	22,576	12	97,397
District of Columbia	0	--	0	--	0	--	0	--
Florida	16	398,316	6	109,072	13	1,731,149	35	2,238,537
Georgia	6	152,575	1	24,935	12	296,592	19	474,102
Guam	0	--	0	--	0	--	0	--
Hawaii	0	--	0	--	0	--	0	--
Idaho	0	--	1	12,000	0	--	1	12,000
Illinois	24	789,704	3	197,093	8	502,900	35	1,489,697
Indiana	4	613,926	12	615,661	0	--	16	1,229,587
Iowa	0	--	0	--	0	--	0	--
Kansas	12	108,449	9	51,022	7	47,799	28	207,270
Kentucky	2	32,000	11	336,462	11	291,650	24	660,112
Louisiana	7	55,665	7	208,458	3	54,224	17	318,347
Maine	0	--	0	--	0	--	0	--
Maryland	0	--	0	--	2	365,000	2	365,000
Massachusetts	1	99,975	18	733,681	18	435,675	37	1,269,331
Michigan	0	--	0	--	2	458,000	2	458,000
Minnesota	2	157,145	0	--	0	--	2	157,145

FY 1983 STATE-ADMINISTERED PROGRAM IMPROVEMENT PROJECTS

	Sec. 131 (Research)		Sec. 132 (Exemplary)		Sec. 133 (Curriculum)		TOTALS	
	No. of Projects	Amount	No. of Projects	Amount	No. of Projects	Amount	No. of Projects	Amount
Mississippi	2	236,884	0	--	2	673,833	4	910,717
Missouri	13	18,575	3	39,387	4	413,346	20	471,308
Montana	3	79,000	2	10,006	2	5,370	7	94,376
Nebraska	0	--	0	--	0	--	0	--
Nevada	0	--		--		--	0	--
New Hampshire	1	4,000	0	--	0	--	1	4,000
New Jersey	6	96,021	13	221,907	8	150,821	27	468,749
New Mexico	2	130,865	1	20,000	2	21,934	5	172,799
New York	4	148,711	0	--	0	--	4	148,711
North Carolina	0	--	0	--	0	--	0	--
North Dakota	1	1,500	0	--	0	--	1	1,500
Ohio	0	--	7	659,576	0	--	7	659,576
Oklahoma	2	8,000	0	--	10	170,000	12	178,000
Oregon	5	92,117	2	41,984	12	142,232	19	276,333
Pennsylvania	21	232,331	9	172,421	23	356,336	53	761,088
Puerto Rico	0	--	0	--	0	--	0	--
Rhode Island	0	--	0	--	0	--	0	--
South Carolina	5	5,500	0	--	9	24,800	14	30,300
South Dakota	0	--	0	--	0	--	0	--
Tennessee	0	--	14	540,611	0	--	14	540,611
Texas	4	107,699	6	208,236	4	1,693,423	14	2,009,358
Utah	0	--	0	--	1	6,990	1	6,990
Vermont	0	--	0	--	0	--	0	--
Virginia	6	171,609	3	60,499	7	1,117,490	16	1,349,598
Washington	3	14,311	0	--	46	140,089	49	154,400
West Virginia	0	--	4	12,700	8	28,305	12	41,005
Wisconsin	7	184,500	0	--	2	40,000	9	224,500
Wyoming	1	7,000	2	5,610	0	--	3	12,610
TOTALS	180	4,750,506	161	4,816,000	232	9,335,859	573	18,902,365

APPENDIX B

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